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WORK MANAGEMENT MANUAL

MATERIAL HANDLING FOR SHIPYARDS

BETHLEHEM STEEL CORP ,/SPARROWS POINT

**Transportation  
Research Institute**

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WORK MANAGEMENT MANUAL

MATERIAL HANDLING  
for  
SHIPYARDS

Prepared for

SNAME panel SP-8  
Marad Task ES-8-15  
Under direction of  
H.B. Maynard & Co.

Prepared by

Industrial Engineering Department  
Bethlehem Steel Corporation  
Marine Construction Group  
Sparrows Point, Maryland  
July, 1983

Transportation  
Research Institute

## INDEX

SECTION	TITLE
1	SCOPE
1.1	PLANT AREA, DEPARTMENT
1.2	PRODUCTS AND COMPONENTS
	FORK TRUCK
	STRADDLE CARRIER
	TRANSPORTER
2	STANDARD PRACTICES AND POLICIES
2.1	CARE OF EQUIPMENT AND WORK AREA
2.2	QUALITY CONTROL AND INSPECTION
2.3	WORK ASSIGNMENTS
	DUTIES OF PERSONNEL
	ORGANIZATION CHART
2.4	SUPPLY AND MAINTENANCE OF TOOLS
2.5	TIME AND PRODUCTION REPORTING
2.6	SAFETY REGULATIONS
	PERSONAL SAFETY EQUIPMENT
	GENERAL SAFETY REQUIREMENTS
2.7	SUPERVISORY RESPONSIBILITY
3	FACILITIES AND EQUIPMENT
3.1	YARD LAYOUT - BETHLEHEM STEEL CORPORATION
3.2	MATERIAL HANDLING EQUIPMENT
4	LAYOUTS AND MATERIAL FLOW
4.1	LAYOUTS - WORK AREA
4.2	MATERIAL FLOW
5	PROCESS DATA
5.1	DERIVATION OF PROCESS TIMES
6	STANDARD TIME CALCULATION
6.1	HOW TIME STANDARDS WERE DEVELOPED
6.2	MANNING AND CREW SIZE
7	ALLOWANCES
7.1	GENERAL
8	STANDARDS APPLICATION
8.1	RESPONSIBILITY FOR MAINTENANCE OF STANDARDS
8.2	MAINTENANCE OF THE MANUAL AND TIME STANDARDS
8.3	PROCEDURE FOR MAINTAINING THE MANUAL AND STANDARDS
	APPENDIX A - GLOSSARY OF TERMS
	APPENDIX B- SAMPLES OF FORMS

SECTION 1  
SCOPE

**1.1 PLANT AREA, DEPARTMENT**

A. Plant Area

1. Bethlehem Steel Corporation.  
Marine Construction Group  
Sparrows Point, Maryland

B. Departments

1. Lead Department - Transportation (86 Dept.)
2. Service Department - Maintenance/Garage (87 Dept.)

**1.2 PRODUCTS AND COMPONENTS**

- A. Product - To develop engineered labor standard data for material handling with mobile equipment.

B. Components - Types of Mobile Equipment and General Guidelines

1. Fork Truck - A truck with a mast containing a two prong fork arrangement that may be tilted forward or back and raised up or down for the purpose of picking up pallet loads of material.  
(see fig. 1 in Section 3.2)

General Guidelines:

- a. Clark 500 : 5000 lbs rated capacity at. 24' Load Center  
Traveling Speeds: (0% Gradeability)  
Loaded - 12.4 mph Empty - 12.5 mph  
Lifting Speeds: Loaded - 89 ft/min Empty - 93 ft/min  
Lowering Speeds: Loaded - 73 ft/min Empty - 80 ft./min
- b. Clark 500: 10000 Ibs rated capacity at 24' load center  
Traveling Speeds: (0% Gradeability)  
Loaded - 16.0 mph Empty - 17.4 mph  
Lifting Speeds: Loaded - 72 ft/min Empty - 79 ft/min  
Lowering Speeds: Loaded - 74 ft/min Empty - 80 ft/min

2. Straddle Carrier - A unit shaped much like an inverted channel. The lifting device consists of longitudinal angles that can pick up special pallets, bolsters, or unit loads of a standard width\* All lifts are picked up at ground level. The riding cab is elevated. (see fig. 2 in Section 3.2)

## SCOPE

### General Guidelines:

- a. Clark Series 95: 40,000 lbs capacity  
Traveling Speeds: (0% Gradeability)  
Loaded - 15.0 mph Empty - 17.3 mph  
Lifting Speeds: Loaded - 75 ft/min Empty - 78 ft/min  
Lowering Speeds: Loaded - 61 ft/min Empty - 70 ft/min
- b. Clark Series 95: 60,000 lbs capacity  
Traveling Speeds: (0% Gradeability)  
Loaded - 13.7 mph Empty - 15.8 mph  
Lifting Speeds: Loaded - 65 ft/min Empty - 68 ft/min  
Lowering Speeds: Loaded - 53 ft/min Empty - 61 ft/min

3. Transporter - A multi-wheeled jacking platform, The standard tyre has an underslung cab at each end and may be driven from either end.

### General Guidelines:

- a. Scheuerle: 200 tons loaded capacity  
Traveling Speeds: (0% Gradeability)
1. Fork Truck - A truck with a mast containing a two prong fork arrangement that may be tilted forward or back and raised up or down for the purpose of picking up pallet loads of material. (see fig. 1 in Section 3.2)

### General Guidelines:

- a. Clark 500 : 5000 lbs rated capacity at 24" Load Center  
Traveling Speeds: (0% Gradeability)  
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Lifting Speeds: Loaded - 89 ft/min Empty - 93 ft/min  
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## SECTION 2 STANDARD PRACTICES AND POLICIES

### 2.1 CARE OF EQUIPMENT AND WORK AREA

#### A. Drivers

1. At the beginning of each shift, routinely check the oil levels operation of lifting devices, brakes, and fills equipment with fuel.
2. All repairs to equipment done by Garage personnel. (87 dept)
3. Should keep cab relatively free of debris and make sure cab is secure at the end of the shift (all doors and windows closed tightly).

#### B. Garage Personnel (Maintenance)

1. At the beginning of each shift remove necessary tools from the toolbox. All tools, are to be locked up whenever man is not in the shop area.
2. Any tool in need of repair are taken to the appropriate toolroom.
3. Tools are locked up in the toolroom at the end of the shift.

### 2.2 QUALITY CONTROL AND INSPECTION

#### A. Transportation

1. Drivers are responsible to see that lifts are delivered to the correct location. The time that the lift is delivered is recorded on the daily transportation log.
2. Transportation supervision only inspects lifts and daily transportation loss when problems or complaints are noted by supervisors in other departments,

#### B. Garage

1. A preventative maintenance program should be conducted at least once a month on all of the material handling equipment.
2. Garage supervision will inspect the quality of the work done in the garage.

## STANDARD PRACTICES AND POLICIES

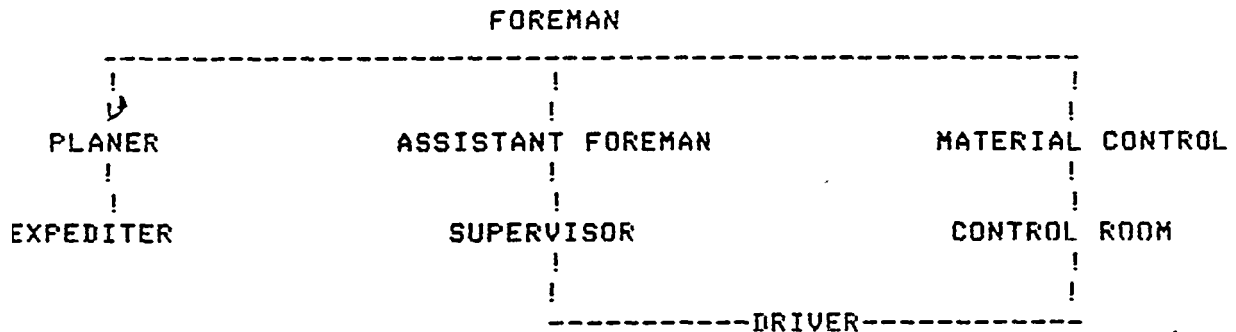
### 2.3 WORK ASSIGNMENTS

#### A. Duties of Personnel

1. Assistant Foreman - assigns drivers to equipment at the beginning of the shift and throughout the day.
2. Planer - responsible for expediting the Work Pak material per the Planning Department Schedule.
3. Material Controller - responsible for the control room? expediting material, material flow? and updating and correcting the computer input/output needed for material control.
4. Supervisor - responsible for unit moves (material control) and working with drivers for clean-up special moves? etc,
5. Expediter - responsible for the material flow in his specified area.
6. Control Room - responsible for keeping accurate records of all lifts made, receiving lift information from various departments? and delegating lifts to the various pieces of equipment. Ilrivers are contacted by radio from the control room.
7. Drivers - responsible for making required lifts, keeping an accurate record of all lifts, and turning in a daily transportation log to the control room.

#### B. Organization Chart

##### ORGANIZATION CHART





## STANDARD PRACTICES AND POLICIES

### 2.4 SUPPLY AND MAINTENANCE OF TOOLS

A. Transportation - None

B. Garage

1. The maintenance department supplies all of the power tools and larger mechanic tools. The mechanic is responsible for supplying his own small mechanic tools.

### 2.5 THE AND PRODUCTION REPORTING

A. Time Reporting - Each supervisor is required to fill out and submit, to the Accounting Department, a daily time report covering each of the employees supervised. This time report contains the following information:

1. Date
2. Supervisor's identification number
3. Departmental identification number
4. Employee's identification number
3. Ship or work order number
6. Job number which identifies the basic type of work performed,
7. Item and sub-item numbers which further identifies the work performed,
8. Actual hours used performing the work
9. Area identification which describes the area of the ship area or unit in ground assembly or shop, where the work is performed.

B. Production Reporting - The daily transportation log and the lift data sheet provide a record of every lift that is made in the shipyard. This report is generated by the control room.

## STANDARD PRACTICES AND POLICIES

### 2.6 SAFETY REGULATIONS

#### A. Personal Safety Equipment

1. Safety Equipment required:
  - a. Safety glasses with side shields
  - b. Hard hats
  - c. Leather shoes
  - d. Shirts with sleeves
2. Safety Equipment recommended but not required:
  - a. Steel-toed boots or shoes
  - b. Leather gloves

#### B. General Safety Requirements

1. Equipment Specifications
  - a. Fork trucks which handle small objects shall be equipped with a vertical rest or back guard of sufficient height, width and strength to prevent and part of the load from falling toward the truck.
  - b. Each gasoline truck shall be equipped with a fire extinguisher approved for use on Class-B (flammable liquid) and Class-C (electrical) fires? preferably 4-lb dry chemical or S-lb carbon dioxide. Extinguishers should be maintained in operable condition and located where they will be accessible at all times,
  - c. Fuel tanks of gasoline powered trucks must be equipped with flame-arresting filler caps.
  - d. Trucks operated on plant roadways should be equipped with lights for night use.
  - e. All units operated-from the 'sit position' shall be equipped with a back support for the operator.
  - f. All equipment shall be painted a distinctive color for the purpose of safety.
2. Care of equipment
  - a. All vehicles must be inspected for proper brakes? condition of tires, steering, operative horn, lights (when used), clutch actions controls and limit switches at the start of each shift.
  - b. See that gasoline tank? crankcase, and radiator are properly filled before starting each shift.
  - c. Keep the truck free of all objects and materials not essential to the normal and proper operation of the unit.
  - d. A periodic inspection shall be made by the Maintenance Department.

## STANDARD PRACTICES AND POLICIES

### 3. Operator

- a. An operator must take Precautions and safety measures in the operation and maintenance Of a truck similar to those he would take in operating his own car.
- b. Pedestrians have the right of was.
- c. Keep feet inside running line of the truck. Never put arms or legs between the uprights of the mast.

### 4. Operation of Equipment

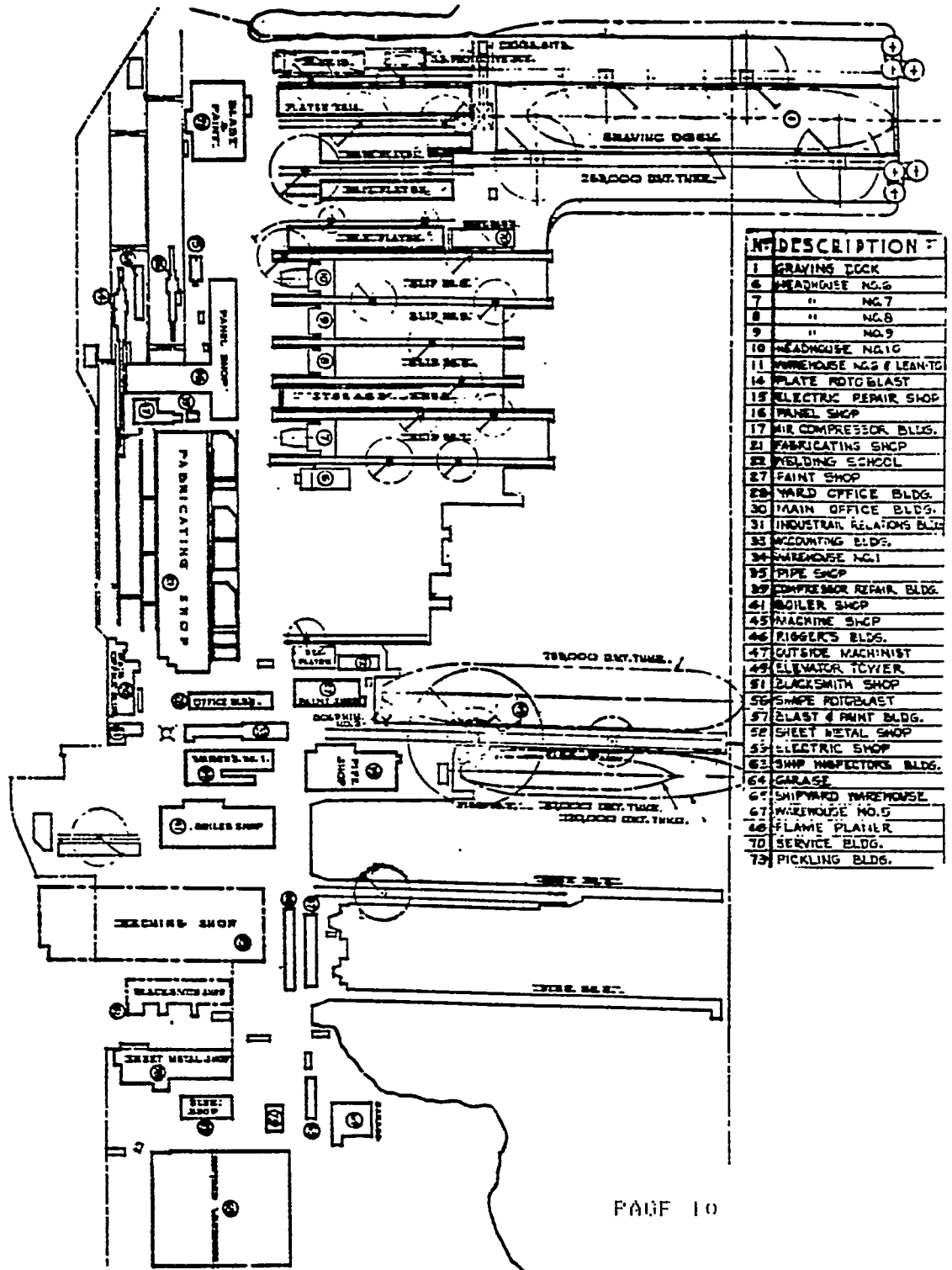
- a. Trucks must be operated at a speed in keeping with the conditions in the area in which they are travelins,
- b. Keep to the right whenever possible. Obey all traffic signs and signals.
- c. Keep a safe distance in back of vehicle in front of you.
- d. Inspect all loads to be moved,
- e. In operating unit be sure of proper clearance on the sides, front, back and especially the overhead.
- f. Keep the load platforms or forks at the lowest possible position when truck is in motion.

## 2.7 SUPERVISORY RESPONSIBILITIES

- A. Supervisors - are responsible for time reporting, work assignments, inspection of work and requistions of material and supplies.
- B. Assistant foremen - are responsible for time reporting, work assignments, planning work, production reporting, ordering material and obtaining services of other crafts, and labor costs.
- co For a more detailed description of the responsiblits of the Transportation personnel? see "section 2.3 of this manual.

# SECTION 3 FACILITIES AND EQUIPMENT

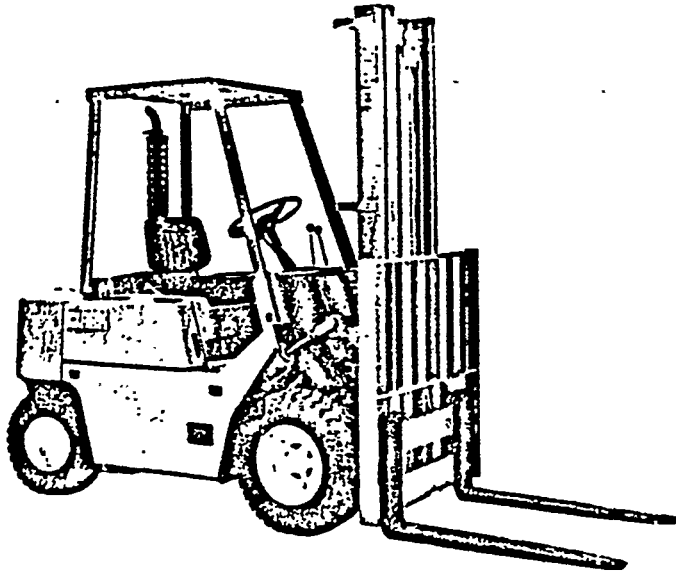
## 3.1 YARD LAYOUT - SPARROWS POINT SHIPYARD



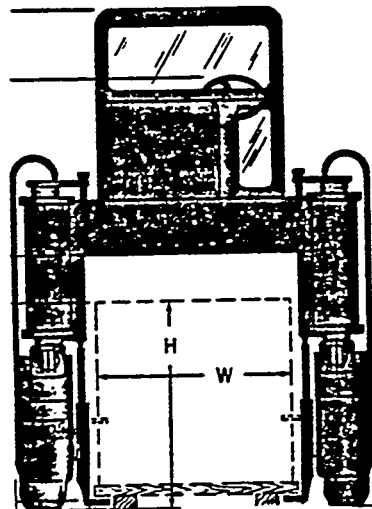
## FACILITIES AND EQUIPMENT

### 3.2 MATERIAL HANDLING EQUIPMENT

FORK TRUCK - FIGURE 1



STRADDLE CARRIER - FIGURE 2



SECTION 4  
LAYOUTS AND MATERIAL FLOW

**4.1 LAYOUTS- WORK AREAS**

- A. The work areas, found in the back-up manuals, are representative of the yard address system found at the Sparrows Point Shipyard. The yard is divided into zones, areas and squares. Material is moved from zone-area-seuare to zone-area-square.

**4.2 MATERIAL FLOW**

- A. The movements of material and units by material handling equipment are operations that fall into service work, rather than production. For this reason, the concept of material flow would not be applicable.

SECTION 5  
PROCESS DATA

**5.1 DERIVATION OF PROCESS TIMES**

A. Material Handling Equipment - the following formulas were developed from studies on each type of material handling equipment. The formulas are based on the linear regression formula,  $y = mx + b$ , where  $y$  = time and  $x$  = distance, Each type of equipment has three load categories? empty, loose and secure, Each type of equipment was assigned a process time code which can be found in the work areas.

1. Fork Truck
  - a. Loose :  $y = .0081x + 0.1$  01T
  - b. Secure :  $y = .0011x + 2.0$  02T
  - c. Empty :  $y = .0011x + 0.9$  03T
2. Small Straddle Carrier (40000 lbs)
  - a. Loose :  $y = .0009x + 0.4$  04T
  - b. Secure :  $y = .0913x - 0.3$  05T
  - c. Empty :  $y = .0010x + 0.2$  06T
3. Large Straddle Carrier (60000 lbs)
  - a. Loose :  $y = .0008x + 1.5$  07T
  - b. Secure :  $y = .0015x + 0.8$  08T
  - c. Empty :  $y = .0016x + 0.4$  09T

## SECTION 6 STANDARD TIME CALCULATION

### 6.1 HOW TITLE STANDARDS WERE DEVELOPED

- A. Development - to develop the time standards for the material handling equipment, a day was sent on each two of equipment and a log was kept detailing all of the moves and lifts. An attempt was made to spend a full day on each piece of equipment. This was accomplished for all of the equipment.
- B. Moves and lifts - most of the moves and lifts were made from zone to zone. The titlesheet contains all of the zone to zone moves and any additional moves made by the piece of equipment (area to area or square to square).
- C. Time standards - There are two keypoints-for each item in the time standard; (1) tells the origin and destination of the equipment for each move, The zone-area-square format is used, (2) describes the type of material being moved and if there are any problems with the lifts or moves.
- D. Size of Time standards - to keep the time standards from being too large, the day was broken up into two sections? (1) 7:30 - 12:00, (2) 12:30 - 4:00.

### 6.2 MANNING, CREW SIZE

- A. Equipment

Type	# in use	men/type
1. Fork Truck	3	1
2. Small Straddle	1	1
3. Large Straddle	1	1
- B. Control Room - 1 radio operator
- C. Planer - 9 expeditors
- II. Garage - 7 mechanics



## **SECTION 7 ALLOWANCES**

### **7.1 GENERAL**

- A. A personal, fatigue and delay (PF&D) allowance of 15% has been applied to the standards developed. This allowance is used for illustrative purposes only. Anyone using this data should develop their own PF & I allowance for their specific situation.

## **SECTION 8 STANDARDS APPLICATION**

### **8.1 RESPONSIBILITY FOR MAINTENANCE OF STANDARDS**

- A. The Industrial Engineering Department will be responsible for the maintenance of the standards and the manual. A group, within this department, which has the responsibility for the development of engineered labor standards will also have the task of maintenance,

### **8.2 MAINTENANCE OF THE MANUAL AND TIME STANDARDS**

See 8.1

### **8.3 PROCEDURE FOR MAINTAINING THE MANUAL AND STANDARDS**

- A. Communication with the Transportation Department will facilitate this task. As any changes or improvements in methods? equipment or procedures occurs the Industrial Engineering Department, will be informed. The Industrial Engineering Department will evaluate these changes or improvements to determine their impact on the standards previously developed.

## APPENDIX A

### GLOSSARY OF TERMS

1. ANGLE - a shape having a cross section like the less of a right triansile.
2. BASKET - a four sided open container with wire mesh sides. Used by a fork truck for transporting small objects.
3. BIN - a four sided open container with metal sides. Used by a fork truck for transporting small objects,
4. BUILDING BASIN - ship construction area, the floor of which is below water level.
5. CHANNEL - a metal bar of flattened U-shaped cross section
6. CRADLE - a two sided container with metal sides. Used by a straddle for transporting pipe.
7. DAILY TRANSPORTATION LOG - a record kept by the driver of a piece of material handling equipment. Record includes lift number, origin, destination and time delivered.
8. FORK TRUCK - a truck with a mast containing a two prong fork arrangement that may be tilted forward or back and raised up or down for the prupose picking up pallet loads of material.
9. LIFT LIST - a list of lifts, compiled by the control room, then given to a driver of a specific piece of equipment. The list includes the lift number, origin and destination of each lift, and a brief description of the material.
10. LIFT NUMBER - a number that identifies a specific lift. The number is attached to the material in an area that can be easily seen from the equipment.
11. LOCAL LIFTS OR MOVES - usually made within an area or square. The material is moved around to suit requirements of personnel in the area or square where it is located. No lifts numbers are attached to the material and no time is reported on the Daily Transportation Log.
12. LOOSE LIFT OR LOAD - usually a lift or load that is not secured or tied down to the pallet.
13. PALLET - a portable platform for handling, storing or moving material or packages,
14. PLATE RACK - a T-shaped configuration consisting of 2 I-Beams. U-seal by a straddle carrier to transport plates.
15. PLATFORM - a rectangular configuration made of wood, Used by a straddle-carrier to transport material, usually scrap parks or trash bins.
16. SCRAP PAN - a four sided open container with metal sides\* Used by either a fork truck or a straddle-carrier to transport steel scrap to the dump.
17. SECURE LIFT OR LOAD - a lift or load that is either tied down to pallet or placed in a bin or basket,
- 180 SKIDS - two wooden or steel I-Beams placed side by side so that plates can be placed on them. Used bs a straddle-carrier to transport plates or other material.

## APPENDIX A

19. STRADDLE CARRIER - a unit shaped much like an inverted channel. The lifting device consists of a longitudinal angle that can pick up special pallets, bolsters, or unit loads of a standard width. All lifts are picked up at the ground level. The riding cab is elevated,
20. TRANSPORT - to carry an item with the aid of material handling equipment from one location to another? over a long distance,
21. TRANSPORTER - a multiwheeled Jacking platform. The standard type has an underslung cab at each end and may be driven from either end.
22. TRASH BIN - a four sided open container with metal sides. Used by either a fork truck or a straddle-carrier to transport trash to the dump.

## APPENDIX B

### SAMPLES OF FORMS

#### EXHIBIT A. Work Area Layout Sheet

Used to input work area information into the system? the front of the form is a work area grid, The back is used to record all pertinent information needed to input a work. area. The form allows for 25 work places? 8 operators and/or carriers, and a variable number of tools? objects, end equipment.

#### EXHIBIT B. Title and Methods Specification Sheet

Used to input a Host Analysis into the system. The form has an area to record the title of the Most Analssis? the special conditions and keypoints. The remainder of the form is used for recording the Method steps of the Most Analysis. The back of the form is available for any additional method steps.

#### EXHIBIT C. Data Entry Form

Used to input data into the data base. The form applies to Most Analyses Combined Sub-operations, or Titlesheets. There is an area for listing the Most Analysis Title and the Data Base Title.

# EXHIBIT A (FRONT)

## MOST® COMPUTER SYSTEMS

### Work Area Sketch Sheet

File

Date

Sign.

Page

/

Work Area Name, Number

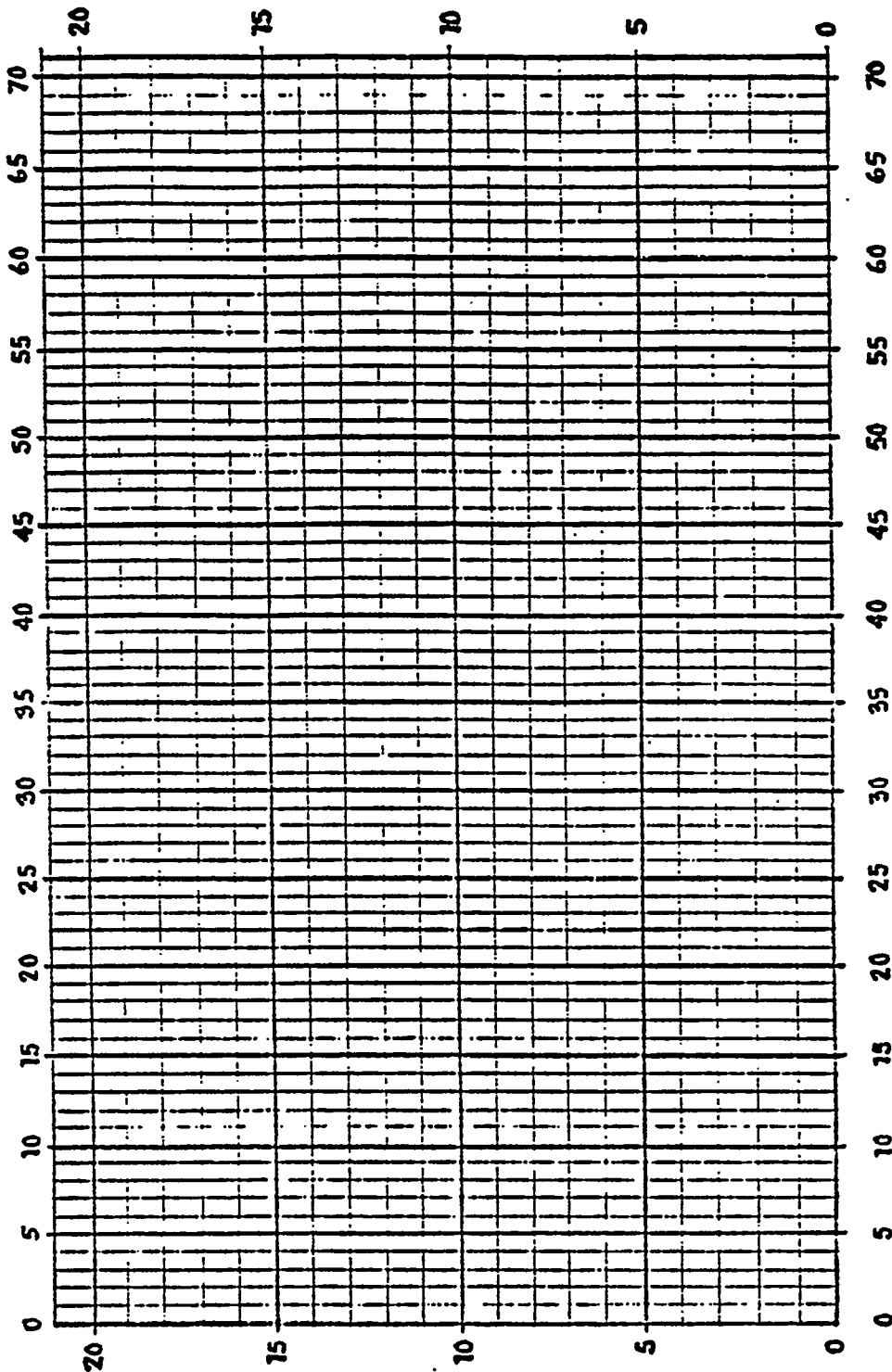


EXHIBIT A (BACK)

WORKPLACE		COORD.		SIZE		STEPS TO WORKPLACE																								
NO. NAME: BODY MOTION		Z	Y	Z	Y	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1						-																								
2							-																							
3								-																						
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24																													-	
25																														-

OPERATOR OR CARRIER NAME		COORD.		LOCATION		OPERATOR OR CARRIER NAME		COORD.		LOCATION	

TOOL NAME		LOCATION		OBJECT		LOCATION		EQUIPMENT		PT		U/M		LOCATION	

EXHIBIT B (FRONT)

[illegible]



## EXHIBIT B (PACK)

[illegible]

# EXHIBIT C

## DATA ENTRY FORM

NAME: \_\_\_\_\_ P:PN: \_\_\_\_\_ DATE: \_\_\_\_\_

DATA TYPE (CHECK ONE): <> MOST ANALYSIS  
<> COMBINED SUB-OP  
<> TITLESHEET

MOST ANALYSIS FILE NUMBER: \_\_\_\_\_

WORK AREA FILE NUMBER: \_\_\_\_\_

DELETE MOST ANALYSIS: <> YES <> NO

DELETE WORK AREAS: <> YES <> NO

COMBINED SUB-OP OR TITLESHEET FILE NUMBER: \_\_\_\_\_

## CATAGORIES FOR FILING

MOST ANALYSIS TITLE	CATAGORIES	DATA BASE TITLE
_____	ACTIVITY	_____
_____	OBJECT	_____
_____	PRODUCT/EQUIPMENT	_____
_____	TOOL	_____
_____	SIZE/CAPACITY	_____
_____	WORK AREA ORIGIN	_____
_____	WORK AREA NUMBER	_____

DATE FILED: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

WORK MANAGEMENT MANUAL

BACK-UP DATA  
for  
MATERIAL HANDLING EQUIPMENT  
FORK TRUCK

Prepared for

SNAME Panel SP-8  
MarAd Task Es-8-15  
Under direction of  
H.B, Maynard & Co,

Prepared by

Industrial Engineering Department  
Bethlehem Steel Corporation  
Marine Construction Group  
Sparrows Point, Maryland  
July, 1983

## INDEX

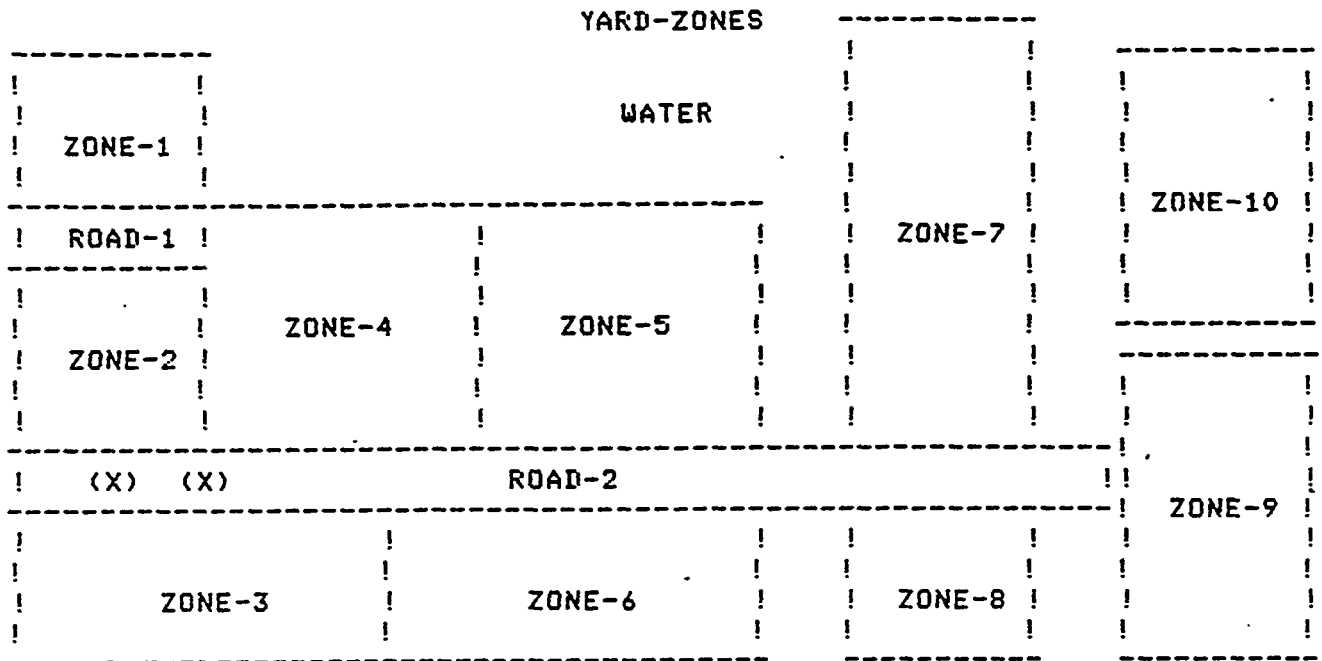
SECTION	TITLE	PAGE #
1	SCOPE	3
2	JOB LAYOUT - WORK AREAS	4-32
3	MANUAL METHODS	33-43
4	STANDARD TIME CALCULATION	44-59
4.1	TITLE SHEETS	44-46
4.2	HOW TO CALCULATE TIME STANDARDS	47-59
5	DATA SYNTHESIS AND BACK-UP	60-82
5.1	SUMMARY	60-70
5.2	SYNTHESIS AND ANALYSIS	71-82

## **SECTION 1**

### **SCOPE**

This manual contains the back-up data for the fork truck movements on a typical day. The data includes pertinent work areas, titlesheets, time standards, and manual methods. Any further information about the fork truck or arts of the data can be found in the general Work Management Manual on Material Handling Equipment.

SECTION 2  
JOB LAYOUT - WORK AREAS



Name	Location		Body/Frag/PT
-----			
WORKPLACES:			
YARD-ZONES	35,21	0,0	
ROAD-1	0,13	10,2	
ROAD-2	0,5	59,2	
WATER	35,18	0,0	
ZONE-1	0,15	10,5	
ZONE-2	0,7	10,6	
ZONE-3	0,0	20,5	
ZONE-4	10,7	15,8	
ZONE-5	25,7	15,8	
ZONE-6	20,0	20,5	
ZONE-7	45,7	10,14	
ZONE-8	45,0	10,5	
ZONE-9	60,0	10,10	
ZONE-10	60,11	10,9	
OBJECTS:			
PALLETS	YARD-ZONES		FRAG
BOLSTERS	YARD-ZONES		FRAG
UNITS	YARD-ZONES		FRAG

# JOB LAYOUT - WORK AREAS

## EQUIPMENT:

FRK-E	YARD-ZONES	03T
FRK-L	YARD-ZONES	01T
FRK-S	YARD-ZONES	02T
SM-STRAD-E	YARD-ZONES	06T
SM-STRAD-L	YARD-ZONES	04T
SM-STRAD-S	YARD-ZONES	05T
LG-STRAD-E	YARD-ZONES	09T
LG-STRAD-L	YARD-ZONES	07T
LG-STRAD-S	YARD-ZONES	08T

## OPERATORS:

FORK-DRIVER	ROAD-2	5,6 B
STRADDLE-DRIVER	ROAD-2	10,6

From	To	Steps
-----	-----	-----
YARD-ZONES	ROAD-1	0
YARD-ZONES	ROAD-2	0
YARD-ZONES	WATER	0
YARD-ZONES	ZONE-1	0
YARD-ZONES	ZONE-2	0
YARD-ZONES	ZONE-3	0
YARD-ZONES	ZONE-4	0
YARD-ZONES	ZONE-5	0
YARD-ZONES	ZONE-6	0
YARD-ZONES	ZONE-7	0
YARD-ZONES	ZONE-8	0
YARD-ZONES	ZONE-9	0
YARD-ZONES	ZONE-10	0
ROAD-1	ROAD-2	0
ROAD-1	WATER	0
ROAD-1	ZONE-1	0
ROAD-1	ZONE-2	0 -
ROAD-1	ZONE-3	0
ROAD-1	ZONE-4	0
ROAD-1	ZONE-5	0
ROAD-1	ZONE-6	0
ROAD-1	ZONE-7	0
ROAD-1	ZONE-8	0
ROAD-1	ZONE-9	0
ROAD-1	ZONE-10	0
ROAD-2	WATER	0
ROAD-2	ZONE-1	0

# JOB LAYOUT - WORK AREAS

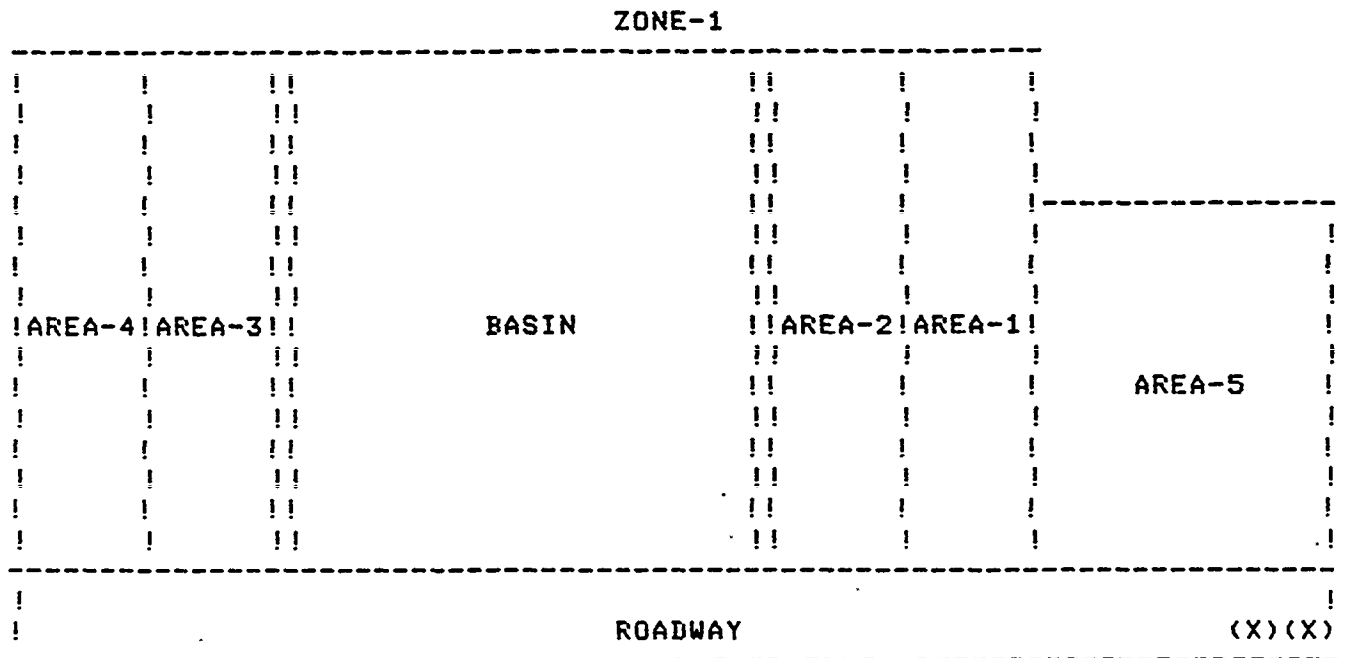
ROAD-2	ZONE-2	0
ROAD-2	ZONE-3	0
ROAD-2	ZONE-4	0
ROAD-2	ZONE-5	0
ROAD-2	ZONE-6	0
ROAD-2	ZONE-7	0
ROAD-2	ZONE-8	0
ROAD-2	ZONE-9	0
ROAD-2	ZONE-10	0
WATER	ZONE-1	0
WATER	ZONE-2	0
WATER	ZONE-3	0
WATER	ZONE-4	0
WATER	ZONE-5	0
WATER	ZONE-6	0
WATER	ZONE-7	0
WATER	ZONE-8	0
WATER	ZONE-9	0
WATER	ZONE-10	0
ZONE-1	ZONE-2	640
ZONE-1	ZONE-3	760
ZONE-1	ZONE-4	1190
ZONE-1	ZONE-5	1250
ZONE-1	ZONE-6	1180
ZONE-1	ZONE-7	1640
ZONE-1	ZONE-8	1560
ZONE-1	ZONE-9	1880
ZONE-1	ZONE-10	2240
ZONE-2	ZONE-3	500
ZONE-2	ZONE-4	580
ZONE-2	ZONE-5	930
ZONE-2	ZONE-6	870
ZONE-2	ZONE-7	1340
ZONE-2	ZONE-8	1150
ZONE-2	ZONE-9	1540
ZONE-2	ZONE-10	1910
ZONE-3	ZONE-4	650
ZONE-3	ZONE-5	940
ZONE-3	ZONE-6	810
ZONE-3	ZONE-7	1290
ZONE-3	ZONE-8	1180
ZONE-3	ZONE-9	1570
ZONE-3	ZONE-10	1960
ZONE-4	ZONE-5	600
ZONE-4	ZONE-6	610
ZONE-4	ZONE-7	1250
ZONE-4	ZONE-8	1140



JOB LAYOUT - WORK AREAS

ZONE-4	ZONE-9	1330
ZONE-4	ZONE-10	1730
ZONE-5	ZONE-6	650
ZONE-5	ZONE-7	1000
ZONE-5	ZONE-8	880
ZONE-3	ZONE-9	1080
ZONE-5	ZONE-10	1470
ZONE-6	ZONE-7	1030
ZONE-6	ZONE-8	910
ZONE-6	ZONE-9	1130
ZONE-6	ZONE-10	1480
ZONE-7	ZONE-8	470
ZONE-7	ZONE-9	940
ZONE-7	ZONE-10	1310
ZONE-8	ZONE-9	820
ZONE-8	ZONE-10	1190
ZONE-9	ZONE-10	810

# JOB LAYOUT - WORK AREAS



Name	Location		Body/Frag/PT
-----			
WORKPLACES:			
ZONE-1	35,21	0,0	
ROADWAY	0,0	71,3	
BASIN	15,3	25,17	
AREA-1	48,3	7,17	
AREA-2	41,3	7,17	
AREA-3	7,3	7,17	
AREA-4	0,3	7,17	
AREA-5	55,3	16,12	
OBJECTS:			
PALLETS	ZONE-1		FRAG
BOLSTERS	ZONE-1		FRAG
EQUIPMENT:			
FRK-E	ROADWAY		03T
FRK-L	ROADWAY		01T
FRK-S	ROADWAY		02T
SM-STRAD-E	ROADWAY		06T
SM-STRAD-L	ROADWAY		04T

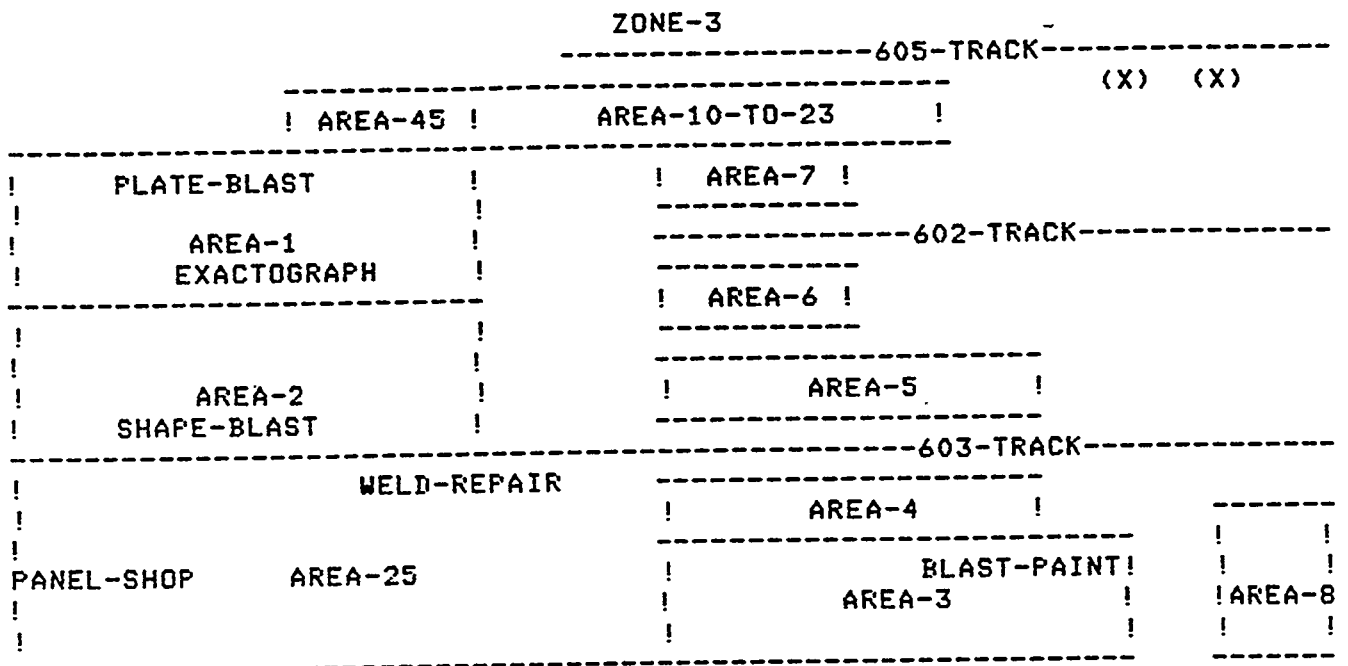
# JOB LAYOUT - WORK AREAS

SM-STRAD-S	ROADWAY	05T
LG-STRAD-E	ROADWAY	09T
LG-STRAD-L	ROADWAY	07T
LG-STRAD-S	ROADWAY	08T

OPERATORS:		
FORK-DRIVER	ROADWAY	70,1 B
STRADDLE-DRIVER	ROADWAY	67,1

From	To	Steps
-----	-----	-----
ZONE-1	ROADWAY	0
ZONE-1	BASIN	0
ZONE-1	AREA-1	0
ZONE-1	AREA-2	0
ZONE-1	AREA-3	0
ZONE-1	AREA-4	0
ZONE-1	AREA-5	0
ROADWAY	BASIN	0
ROADWAY	AREA-1	0
ROADWAY	AREA-2	0
ROADWAY	AREA-3	0
ROADWAY	AREA-4	0
ROADWAY	AREA-5	0
BASIN	AREA-1	0
BASIN	AREA-2	0
BASIN	AREA-3	0
BASIN	AREA-4	0
BASIN	AREA-5	0
AREA-1	AREA-2	25
AREA-1	AREA-3	620
AREA-1	AREA-4	645
AREA-1	AREA-5	255
AREA-2	AREA-3	590
AREA-2	AREA-4	615
AREA-2	AREA-5	295
AREA-3	AREA-4	25
AREA-3	AREA-5	445
AREA-4	AREA-5	470

# JOB LAYOUT - WORK AREAS



Name	Location		Body/Frag/PT
WORKPLACES:			
ZONE-3	35,21	0,0	
PANEL-SHOP	1,3	0,0	
BLAST-PAINT	54,3	0,0	
WELD-REPAIR	24,6	0,0	
SHAPE-BLAST	11,8	0,0	
EXACTOGRAPH	14,13	0,0	
PLATE-BLAST	11,16	0,0	
603-TRACK	35,7	36,0	
602-TRACK	35,14	36,0	
605-TRACK	30,20	41,0	
AREA-1	0,12	25,5	
AREA-2	0,7	25,5	
AREA-3	35,0	25,4	
AREA-4	35,4	20,2	
AREA-5	35,8	20,2	
AREA-6	35,11	10,2	
AREA-7	35,15	10,2	
AREA-8	65,0	6,5	
AREA-10-TO-23	25,17	25,2	

# JOB LAYOUT - WORK AREAS

AREA-25	0,0	35,7
AREA-45	15,17	10,2

OBJECTS:		
PALLETS	ZONE-3	FRAG
BOLSTERS	ZONE-3	FRAG
UNITS	ZONE-3	FRAG

EQUIPMENT:		
FRK-E	ZONE-3	03T
FRK-L	ZONE-3	01T
FRK-S	ZONE-3	02T
SM-STRAD-E	ZONE-3	06T
SM-STRAD-L	ZONE-3	04T
SM-STRAD-S	ZONE-3	05T
LG-STRAD-E	ZONE-3	09T
LG-STRAD-L	ZONE-3	07T
LG-STRAD-S	ZONE-3	08T

OPERATORS:		
FORK-DRIVER	ZONE-3	60,19 B
STRADDLE-DRIVER	ZONE-3	65,19

From	To	Steps
-----	-----	-----
ZONE-3	PANEL-SHOP	0
ZONE-3	BLAST-PAINT	0
ZONE-3	WELD-REPAIR	0
ZONE-3	SHAPE-BLAST	0
ZONE-3	EXACTOGRAPH	0
ZONE-3	PLATE-BLAST	0
ZONE-3	603-TRACK	0
ZONE-3	602-TRACK	0
ZONE-3	605-TRACK	0
ZONE-3	AREA-1	0
ZONE-3	AREA-2	0
ZONE-3	AREA-3	0
ZONE-3	AREA-4	0
ZONE-3	AREA-5	0
ZONE-3	AREA-6	0
ZONE-3	AREA-7	0
ZONE-3	AREA-8	0
ZONE-3	AREA-10-TO-23	0
ZONE-3	AREA-25	0
ZONE-3	AREA-45	0

# JOB LAYOUT - WORK AREAS

PANEL-SHOP	BLAST-PAINT	0
PANEL-SHOP	WELD-REPAIR	0
PANEL-SHOP	SHAPE-BLAST	0
PANEL-SHOP	EXACTOGRAPH	0
PANEL-SHOP	PLATE-BLAST	0
PANEL-SHOP	603-TRACK	0
PANEL-SHOP	602-TRACK	0
PANEL-SHOP	605-TRACK	0
PANEL-SHOP	AREA-1	0
PANEL-SHOP	AREA-2	0
PANEL-SHOP	AREA-3	0
PANEL-SHOP	AREA-4	0
PANEL-SHOFI	AREA-5	0
PANEL-SHOP	AREA-6	0
PANEL-SHOP	AREA-7	0
PANEL-SHOP	AREA-8	0
PANEL-SHOP	AREA-10-T0-23	0
PANEL-SHOP	AREA-25	0
PANEL-SHOP	AREA-45	0
BLAST-PAINT	WELD-REPAIR	0
BLAST-PAINT	SHAPE-BLAST	0
BLAST-PAINT	EXACTOGRAPH	0
BLAST-PAINT	PLATE-BLAST	0
BLAST-PAINT	603-TRACK	0
BLAST-PAINT	602-TRACK	0
BLAST-PAINT	605-TRACK	0
BLAST-PAINT	AREA-1	0
BLAST-PAINT	AREA-2	0
BLAST-PAINT	AREA-3	0
BLAST-PAINT	AREA-4	0
BLAST-PAINT	AREA-5	0
BLAST-PAINT	AREA-6	0
BLAST-PAINT	AREA-7	0
BLAST-PAINT	AREA-8	0
BLAST-PAINT	AREA-10-TO-23	0
BLAST-PAINT	AREA-25	0
BLAST-PAINT	AREA-45	0
WELD-REPAIR	SHAPE-BLAST	0
WELD-REPAIR	EXACTOGRAPH	0
WELD-REPAIR	PLATE-BLAST	0
WELD-REPAIR	603-TRACK	0
WELD-REPAIR	602-TRACK	0
WELD-REPAIR	605-TRACK	0
WELD-REPAIR	AREA-1	0
WELD-REPAIR	AREA-2	0
WELD-REPAIR	AREA-3	0
WELD-REPAIR	AREA-4	0

# JOB LAYOUT - WORK AREAS

WELD-REPAIR	AREA-5	0
WELD-REPAIR	AREA-6	0
WELD-REPAIR	AREA-7	0
WELD-REPAIR	AREA-8	0
WELD-REPAIR	AREA-10-TO-23	0
WELD-REPAIR	AREA-25	0
WELD-REPAIR	AREA-45	0
SHAPE-BLAST	EXACTOGRAPH	0
SHAPE-BLAST	PLATE-BLAST	0
SHAPE-BLAST	603-TRACK	0
SHAPE-BLAST	602-TRACK	0
SHAPE-BLAST	605-TRACK	0
SHAPE-BLAST	AREA-1	0
SHAPE-BLAST	AREA-2	0
SHAPE-BLAST	AREA-3	0
SHAPE-BLAST	AREA-4	0
SHAPE-BLAST	AREA-5	0
SHAPE-BLAST	AREA-6	0
SHAPE-BLAST	AREA-7	0
SHAPE-BLAST	AREA-8	0
SHAPE-BLAST	AREA-10-TO-23	0
SHAPE-BLAST	AREA-25	0
SHAPE-BLAST	AREA-45	0
EXACTOGRAPH	PLATE-BLAST	0
EXACTOGRAPH	603-TRACK	0
EXACTOGRAPH	602-TRACK	0
EXACTOGRAPH	605TRACK	0
EXACTOGRAPH	AREA-1	0
EXACTOGRAPH	AREA-2	0
EXACTOGRAPH	AREA-3	0
EXACTOGRAPH	AREA-4	0
EXACTOGRAPH	AREA-5	0
EXACTOGRAPH	AREA-6	0
EXACTOGRAPH	AREA-7	0
EXACTOGRAPH	AREA-8	0
EXACTOGRAPH	AREA-10-TO-23	0
EXACTOGRAPH	AREA-25	0
EXACTOGRAPH	AREA-45	0
PLATE-BLAST	603-TRACK	0
PLATE-BLAST	602-TRACK	0
PLATE-BLAST	605-TRACK	0
PLATE-BLAST	AREA-1	0
PLATE-BLAST	AREA-2	0
PLATE-BLAST	AREA-3	0
PLATE-BLAST	AREA-4	0
F' LATE-BLAST	AREA-5	0
PLATE-BLAST	AREA-6	0

# JOB LAYOUT - WORK AREAS

PLATE-BLAST	AREA-7	0
PLATE-BLAST	AREA-8	0
PLATE-BLAST	AREA-10-TO-23	0
PLATE-BLAST	AREA-25	0
PLATE-BLAST	AREA-45	0
603-TRACK	602-TRACK	0
603-TRACK	605-TRACK	0
603-TRACK	AREA-1	0
603-TRACK	AREA-2	0
603-TRACK	A R E A - 3	0
603 - T R A C K	AREA-4	0
603-TRACK	AREA-S	0
603-TRACK	AREA-6	0
603-TRACK	AREA-7	0
603-TRACK	AREA-8	0
603-TRACK	AREA-10-TO-23	0
603-TRACK	ARE9-25	0
603-TRACK	AREA-45	0
602-TRACK	605-TRACK	0
602-TRACK	AREA-1	0
602-TRACK	AREA-2	0
602-TRACK	AREA-3	0
602-TRACK	AREA-4	0
602-TRACK	AREA-5	0
602-TRACK	AREA-6	0
602-TRACK	AREA-7	0
602-TRACK	AREA-8	0
602-TRACK	AREA-10-TO-23	0
602-TRACK	AREA-25	0
602-TRACK	AREA-45	0
605-TRACK	AREA-1	0
605-TRACK	AREA-2	0
605-TRACK	AREA-3	0
605-TRACK	AREA-4	0
605-TRACK	AREA-5	0
605-TRACK	AREA-6	0
605-TRACK	AREA-7	0
605-TRACK	AREA-8	0
605-TRACK	AREA-10-TO-23	0
605-TRACK	AREA-25	0
605-TRACK	AREA-45	0
AREA-1	AREA-2	280
AREA-1	AREA-3	310
AREA-1	AREA-4	280
AREA-1	AREA-5	250
AREA-I	AREA-6	190
AREA-I	AREA-7	190



# JOB LAYOUT - WORK AREAS

AREA-1	AREA-8	425
AREA-1	AREA-10-TO-23	210
AREA-1	AREA-25	345
AREA-1	AREA-45	305
AREA-2	AREA-3	260
AREA-2	AREA-4	230
AREA-2	AREA-5	225
AREA-2	AREA-6	210
AREA-2	AREA-7	235
AREA-2	AREA-8	425
AREA-2	AREA-10-TO-23	250
AREA-2	AREA-25	325
AREA-2	AREA-45	350
AREA-3	AREA-4	195
AREA-3	AREA-5	220
AREA-3	AREA-6	200
AREA-3	AREA-7	225
AREA-3	AREA-8	140
AREA-3	AREA-10-TO-23	270
AREA-3	AREA-25	190
AREA-3	A R E A - 4 5	370
AREA-4	AREA-5	185
AREA-4	AREA-6	170
AREA-4	AREA-7	200
AREA-4	AREA-8	340
AREA-4	AREA-10-TO-23	175
AREA-4	AREA-25	130
AREA-4	AREA-45	275
AREA-5	AREA-6	145
AREA-5	AREA-7	170
AREA-5	AREA-8	290
AREA-5	AREA-10-TO-23	200
AREA-5	AREA-25	230
AREA-5	AREA-45	300
AREA-6	AREA-7	105
AREA-6	AREA-8	350
AREA-6	AREA-10-TO-23	135
AREA-6	AREA-25	260
AREA-6	AREA-45	235
AREA-7	AREA-8	375
AREA-7	AREA-10-TO-23	70
AREA-7	AREA-25	290
AREA-7	AREA-45	170
AREA-8	AREA-10-TO-23	420
AREA-8	AREA-25	410
AREA-8	AREA-45	520
AREA-10-TO-23	AREA-25	355

JOB LAYOUT - WORK AREAS

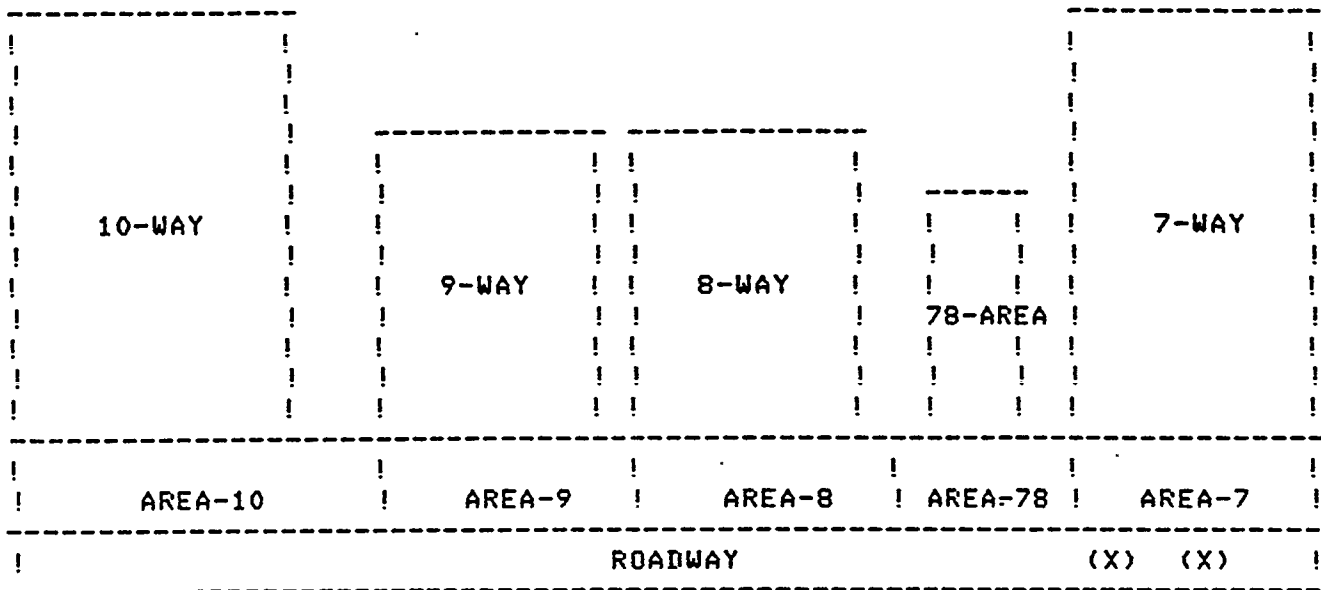
AREA-10-TO-23  
AREA-25

AREA-45  
AREA-45

100  
435

# JOB LAYOUT - WORK AREAS

## ZONE-4



Name	Location		Body/Frag/PT
-----			
WORKPLACES:			
ZONE-4	35,21	0,0	
ROADWAY	0,0	71,2	
7-WAY	58,5	13,14	
78-AREA	50,5	5,8	
8-WAY	34,5	12,10	
9-WAY	20,5	12,10	
10-WAY	0,5	15,14	
AREA-7	58,2	13,3	
AREA-78	48,2	10,3	
AREA-8	34,2	14,3	
AREA-9	20,2	14,3	
AREA-10	0,2	20,3	
OBJECTS:			
PALLETS	ZONE-4		FRAG
BOLSTERS	ZONE-4		FRAG
UNITS	ZONE-4		FRAG
EQUIPMENT:			

# JOB LAYOUT - WORK AREAS

STRADDLE	RECORDER	03T
FRK-E	RECORDER	01T
FRK-L	RECORDER	02T
FRK-S	RECORDER	06T
SM-STRAD-E	RECORDER	04T
SM-STRAD-L	RECORDER	05T
SM-STRAD-S	RECORDER	09T
LG-STRAD-E	RECORDER	07T
LG-STRAD-L	RECORDER	08T
LG-STRAD-S	RECORDER	

OPERATORS:		
FORK-DRIVER	ROADWAY	60,1 B
STRADBLE-DRIVER	RECORDER	65,1

From	To	Steps
-----	-----	-----
ZONE-4	RECORDER	0
ZONE-4	7-WAY	0
ZONE-4	78-AREA	0
ZONE-4	8-WAY	0
ZONE-4	9-WAY	0
ZONE-4	10-WAY	0
ZONE-4	AREA-7	0
ZONE-4	AREA-78	0
ZONE-4	AREA-8	0
ZONE-4	AREA-9	0
ZONE-4	AREA-10	0
ROADWAY	7-WAY	0
ROADWAY	78-AREA	0
ROADWAY	8-WAY	0
ROADWAY	9-WAY	0
ROADWAY	10-WAY	0
ROADWAY	AREA-7	0
ROADWAY	AREA-78	0
ROADWAY	AREA-8	0
ROADWAY	AREA-9	0
ROADWAY	AREA-10	0
7-WAY	78-AREA	0
7-WAY	8-WAY	0
7-WAY	9-WAY	0
7-WAY	10-WAY	0
7-WAY	AREA-7	0
7-WAY	AREA-78	0
7-WAY	AREA-8	0

# JOB LAYOUT - WORK AREAS

7-WAY	AREA-9	0
7-WAY	AREA-10	0
78-AREA	8-WAY	0
78-AREA	9-WAY	0
78-AREA	10-WAY	0
78-AREA	AREA-7	0
78-AREA	AREA-78	0
78-AREA	AREA-8	0
78-AREA	AREA-9	0
78-AREA	AREA-10	0
8-WAY	9-WAY	0
8-WAY	10-WAY	0
8-WAY	AREA-7	0
8-WAY	AREA-78	0
8-WAY	AREA-8	0
8-WAY	AREA-9	0
8-WAY	AREA-10	0
9-WAY	10-WAY	0
9-WAY	AREA-7	0
9-WAY	AREA-78	0
9-WAY	AREA-8	0
9-WAY	AREA-9	0
9-WAY	AREA-10	0
10-WAY	AREA-7	0
10-WAY	AREA-78	0
10-WAY	AREA-8	0
10-WAY	AREA-9	0
10-WAY	AREA-10	0
AREA-7	AREA-78	125
AREA-7	AREA-8	160
AREA-7	AREA-9	210
AREA-7	AREA-10	270
AREA-78	AREA-8	120
AREA-78	AREA-9	170
AREA-78	AREA-10	225
AREA-8	AREA-9	130
AREA-8	AREA-10	180
AREA-9	AREA-10	135

### JOB LAYOUT - WORK AREAS

**ZONE-9**

```
! ! ! ----- !  
! ! ! ! RIGGING ! OUTSIDE-MACH  
! ! ! ! DEPT ! SHOP. !  
! ! ! ----- !  
! AREA-74----- !  
! ! ! !  
! COPPER-SHOP ! SHEET-METAL-SHOP !!  
! ! ! !  
---AREA-51--- !  
! ! !  
-----ROADWAY! !  
! BRKT ! !  
! SHOP!ELECT-SHOP ! !  
! ! !  
-----AREA-70----- !  
! ! !  
! ! ! ! AREA-87 !  
! ! ! ! INSP !  
! PICKLER ! BLDG. --- !  
! BLDG ! ---- ! GARAGE  
! ! ! ----- !  
! ! ! --AREA-91-- !  
! ! ! !  
! POLICE!----AREA-84-----!!  
! ! ! WAREHOUSE !!!
```

Name	Location		Body/Frag/PT
-----	-----	-----	-----
WORKPLACES:			
ZONE-9	35,21	0,0	
ROADWAY	35,0	8,20	
POLICE	2,1	7,3	
WAREHOUSE	10,0	23,2	
BRKT	19,9	0,0	
SHOP	17,7	5,3	
ELECT-SHOP	22,7	11,3	
PICKLER	49,7	0,0	
BLDG	45,5	8,3	
INSP	55,6	5,4	
BLDG.	58,7	0,0	
GARAGE	65,5	6,2	
COPPER-SHOP	0,12	12,3	
SHEET-METAL-SHOP	17,12	17,3	
RIGGING	47,15	8,4	
DEPT	49,16	0,0	
OUTSIDE-MACH	59,15	12,4	
SHOP.	63,16	0,0	
AREA-51	0,11	13,0	

# JOB LAYOUT - WORK AREAS

AREA-60	58,14	13,0
AREA-65	46,14	10,0
AREA-70	10,6	25,0
AREA-74	0,10	35,10
AREA-84	0,0	34,5
AREA-87	55,5	16,8
AREA-91	45,4	10,0

## OBJECTS:

PALLETS	ZONE-9	FRAG
BOLSTERS	ZONE-9	FRAG

## EQUIPMENT:

FRK-E	ROADWAY	03T
FRK-L	ROADWAY	01T
FRK-S	ROADWAY	02T
SM-STRAD-E	ROADWAY	06T
SM-STRAD-L	ROADWAY	04T
SM-STRAD-S	ROADWAY	05T
LG-STRAD-E	ROADWAY	09T
LG-STRAD-L	ROADWAY	07T
LG-STRAD-S	ROADWAY	08T

## OPERATORS:

FORK-DRIVER	ROADWAY	40,3 B
STRADDLE-DRIVER	ROADWAY	40,5

From	To	Steps
-----	-----	-----
ZONE-9	ROADWAY	0
ZONE-9	POLICE	0
ZONE-9	WAREHOUSE	0
ZONE-9	BRKT	0
ZONE-9	SHOP	0
ZONE-9	ELECT-SHOP	0
ZONE-9	PICKLER	0
ZONE-9	BLDG	0
ZONE-9	INSP	0
ZONE-9	BLDG.	0
ZONE-9	GARAGE	0
ZONE-9	COPPER-SHOP	0
ZONE-9	SHEET-METAL-SHOP	0
ZONE-9	RIGGING	0
ZONE-9	DEPT	0
ZONE-9	OUTSIDE-MACH	0

# JOB LAYOUT - WORK AREAS

ZONE-9	SHOP.1	0
ZONE-9	AREA-51	0
ZONE-9	AREA-60	0
ZONE-9	AREA-65	0
ZONE-9	AREA-70	0
ZONE-9	AREA-74	0
ZONE-9	AREA-84	0
ZONE-9	AREA-87	0
ZONE-9	AREA-91	0
ROADWAY	POLICE	0
ROADWAY	WAREHOUSE	0
ROADWAY	BRKT	0
ROADWAY	SHOP	0
ROADWAY	ELECT-SHOP	0
ROADWAY	PICKLER	0
ROADWAY	BLDG	0
ROADWAY	INSP	0
ROADWAY	BLDG.	0
ROADWAY	GARAGE	0
ROADWAY	COPPER-SHOP	0
ROADWAY	SHEET-METAL-SHOP	0
ROADWAY	RIGGING	0
ROADWAY	DEPT	0
ROADWAY	OUTSIDE-MACH	0
ROADWAY	SHOP.1	0
ROADWAY	AREA-51	0
ROADWAY	AREA-60	0
ROADWAY	AREA-65	0
ROADWAY	AREA-70	0
ROADWAY	AREA-74	0
ROADWAY	AREA-84	0
ROADWAY	AREA-87	0
ROADWAY	AREA-91	0
ROADWAY	WAREHOUSE	0
POLICE	BRKT	0
POLICE	SHOP	0
POLICE	ELECT-SHOP	0
POLICE	PICKLER	0
POLICE	BLDG	0
POLICE	INSP	0
POLICE	BLDG.	0
POLICE	GARAGE	0
POLICE	COPPER-SHOP	0
POLICE	SHEET-METAL-SHOP	0
POLICE	RIGGING	0
POLICE	DEPT	0
POLICE	OUTSIDE-MACH	0



# JOB LAYOUT - WORK AREAS

POLICE	SHOP .	0
POLICE	AREA-51	0
POLICE	AREA-60	0
POLICE	AREA-65	0
POLICE	AREA-70	0
POLICE	4RE14-74	0
POLICE	AREA-84	0
POLICE	AREA-87	0
POLICE	AREA-91	0
WAREHOUSE	BRKT	0
WAREHOUSE	SHOP	0
WAREHOUSE	ELECT-SHOP	0
WAREHOUSE	PICKLER	0
WAREHOUSE	BLBG	0
WAREHOUSE	INSP	0
WAREHOUSE	BLDG.	0
WAREHOUSE	GARAGE	0
WAREHOUSE	COPPER-SHOP	0
WAREHOUSE	SHEET-METAL-SHOP	0
WAREHOUSE	RIGGING	0
WAREHOUSE	DEPT	0
WAREHOUSE	OUTSIDE-MACH	0
WAREHOUSE	SHOP.	0
WAREHOUSE	AREA-51	0
WAREHOUSE	AREA-60	0
WAREHOUSE	AREA-65	0
WAREHOUSE	4REA-70	0
WAREHOUSE	AREA-74	0
WAREHOUSE	AREA-84	0
WAREHOUSE	AREA-87	0
WAREHOUSE	AREA-91	0
BRKT	SHOP	0
BRKT	ELECT-SHOP	0
BRKT	PICKLER	0
BRKT	BLDG	0
BRKT	INSP	0
BRKT	BLDG .	0
BRKT	GARAGE	0
BRKT	COPPER-SHOP	0
BRKT	SHEET-METAL-SHOP	0
BRKT	RIGGING	0
RRKT	DEFT	0
BRKT	OUTSIDE-MACH	0
BRKT	SHOP .	0
BRKT	AREA-51	0
BRKT	AREA-60	0
BRRT	AREA-65	0

# JOB LAYOUT - WORK AREAS

BRKT	AREA-70	0
BRKT	AREA-74	0
BRKT	AREA-84	0
BRKT	AREA-87	0
BRKT	AREA-91	0
SHOP	ELECT-SHOP	0
SHOP	PICKLER	0
SHOP	BLDG	0
SHOP	INSP	0
SHOP	BLDG .	0
SHOP	GARAGE	0
SHOP	COPPER-SHOP	0
SHOP	SHEET-METAL-SHOP	0
SHOP	RIGGING	0
SHOP	DEPT	0
SHOP	OUTSIDE-MACH	0
SHOP	SHOP .	0
SHOP	AREA-51	0
SHOP	AREA-60	0
SHOP	AREA-65	0
SHOP	AREA-70	0
SHOP	AREA-74	0
SHOP	AREA-84	0
SHOP	AREA-87	0
SHOP	AREA-91	0
ELECT-SHOP	PICKLER	0
ELECT-SHOP	BLDG	0
ELECT-SHOP	INSP	0
ELECT-SHOP	BLDG .	0
ELECT-SHOP	GARAGE	0
ELECT-SHOP	COPPER-SHOP	0
ELECT-SHOP	SHEET-METAL-SHOP	0
ELECT-SHOP	RIGGING	0
ELECT-SHOP	DEPT	0
ELECT-SHOP	OUTSIDE-HACH	0
ELECT-SHOP	SHOP .	0
ELECT-SHOP	AREA-51	0
ELECT-SHOP	ARE4-60	0
ELECT-SHOP	AREA-65	0
ELECT-SHOP	AREA-70	0
ELECT-SHOP	AREA-74	0
ELECT-SHOP	AREA-84	0
ELECT-SHOP	AREA-87	0
ELECT-SHOP	AREA-91	0
PICKLER	BLDG	0
PICKLER	INSP	0
PICKLER	BLDG.	0

# JOB LAYOUT - WORK AREAS

PICKLER	GARAGE	0
PICKLER	COPPER-SHOP	0
PICKLER	SHEET-METAL-SHOP	0
PICKLER	RIGGING	0
PICKLER	DEPT	0
PICKLER	OUTSIDE-MACH	0
PICKLER	SHOP .	0
PICKLER	AREA-51	0
PICKLER	AREA-60	0
PICKLER	AREA-65	0
PICKLER	AREA-70	0
PICKLER	AREA-74	0
PICKLER	AREA-84	0
PICKLER	AREA-87	0
PICKLER	AREA-91	0
BLDG	INSP	0
BLDG	BLDG .	0
BLDG	GARAGE	0
BLDG	COPPER-SHOP	0
BLDG	SHEET-METAL-SHOP	0
BLDG	RIGGING	0
BLDG	DEPT	0
BLDG	OUTSIDE-MACH	0
BLDG	SHOP .	0
BLDG	AREA-51	0
BLDG	AREA-60	0
BLDG	AREA-65	0
BLDG	AREA-70	0
BLDG	AREA-74	0
BLDG	AREA-84	0
BLDG	AREA-87	0
BLDG	AREA-91	0
INSP	BLDG .	0
INSP	GARAGE	0
INSP	COPPER-SHOP	0
INSP	SHEET-METAL-SHOP	0
INSP	RIGGING	0
INSP	DEPT	0
INSP	OUTSIDE-MACH	0
INSP	SHOP .	0
INSP	AREA-51	0
INSP	AREA-60	0
INSP	AREA-65	0
INSP	AREA-70	0
INSP	AREA-74	0
INSP	AREA-84	0
INSP	AREA-87	0

# JOB LAYOUT - WORK AREAS

INSP	AREA-91	0
BLDG.	GARAGE	0
BLDG.	COPPER-SHOP	0
BLDG.	SHEET-METAL-SHOP	0
BLDG.	RIGGING	0
BLDG.	DEPT	0
BLDG.	OUTSIDE-MACH	0
BLDG.	SHOP.	0
BLDG.	AREA-51	0
BLDG.	AREA-60	0
BLDG.	AREA-65	0
BLDG.	AREA-70	0
BLDG.	AREA-74	0
BLDG.	AREA-84	0
BLDG.	AREA-87	0
BLDG.	AREA-91	0
GARAGE	COPPER-SHOP	0
GARAGE	SHEET-METAL-SHOP	0
GARAGE	RIGGING.	0
GARAGE	DEPT	0
GARAGE	OUTSIDE-MACH	0
GARAGE	SHOP.	0
GARAGE	AREA-51	0
GARAGE	AREA-60	0
GARAGE	AREA-65	0
GARAGE	AREA-70	0
GARAGE	AREA-74	0
GARAGE	AREA-84	0
GARAGE	AREA-87	0
GARAGE	AREA-91	0
COPPER-SHOP	SHEET-METAL-SHOP	0
COPPER-SHOP	RIGGING	0
COPPER-SHOP	DEPT	0
COPPER-SHOP	OUTSIDE-MACH	0
COPPER-SHOP	SHOP.	0
COPPER-SHOP	AREA-51	0
COPPER-SHOP	AREA-60	0
COPPER-SHOP	AREA-65	0
COPPER-SHOP	AREA-70	0
COPPER-SHOP	AREA-74	0
COPPER-SHOP	AREA-84	0
COPPER-SHOP	AREA-87	0
COPPER-SHOP	AREA-91	0
SHEET-METAL-SHOP	RIGGING	0
SHEET-METAL-SHOP	DEPT	0
SHEET-METAL-SHOP	OUTSIDE-MACH	0
SHEET-METAL-SHOP	SHOP.	0

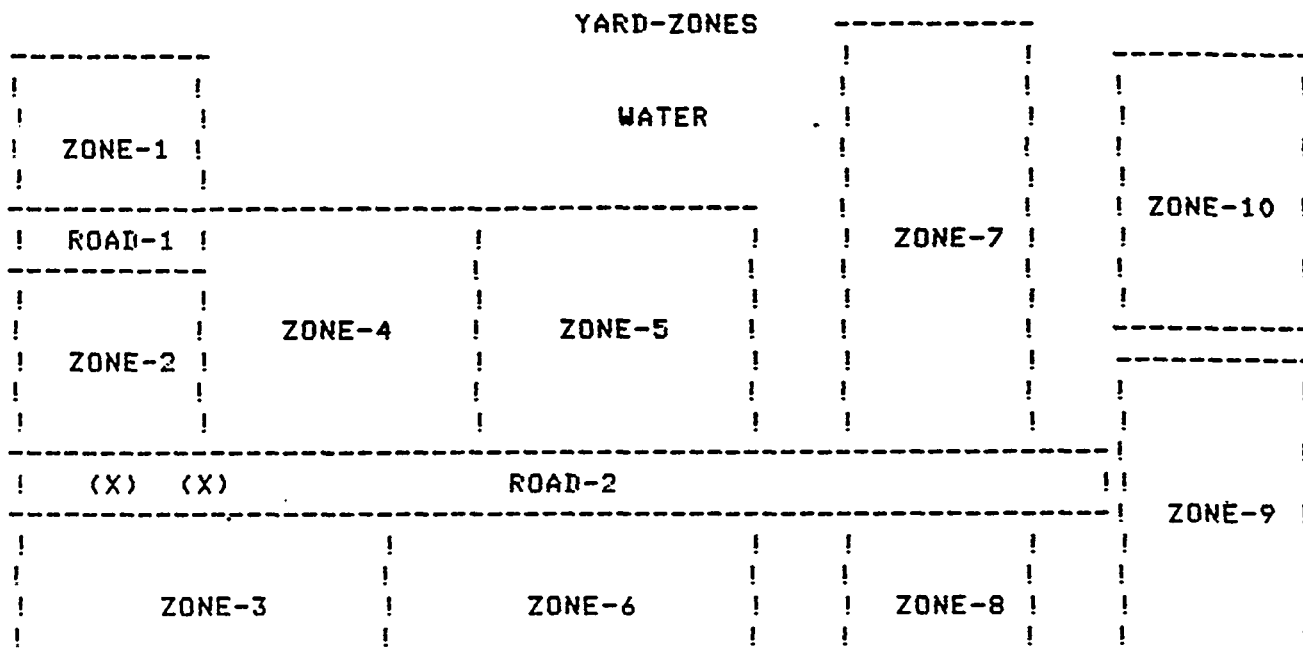
# JOB LAYOUT - WORK AREAS

SHEET-METAL-SHOP	AREA-51	0
SHEET-METAL-SHOP	AREA-60	0
SHEET-METAL-SHOP	AREA-65	0
SHEET-METAL-SHOP	AREA-70	0
SHEET-METAL-SHOP	AREA-74	0
SHEET-METAL-SHOP	AREA-84	0
SHEET-METAL-SHOP	AREA-87	0
SHEET-METAL-SHOP	AREA-91	0
RIGGING	DEPT	0
RIGGING	OUTSIDE-MACH	0
RIGGING	SHOP.	0
RIGGING	AREA-51	0
RIGGING	AREA-60	0
RIGGING	AREA-65	0
RIGGING	AREA-70	0
RIGGING	AREA-74	0
RIGGING	AREA-84	0
RIGGING	AREA-87	0
RIGGING	AREA-91	0
DEPT	OUTSIDE-MACH	0
DEFT	SHOP.	0
DEPT	AREA-51	0
DEPT	AREA-60	0
D E P T	AREA-65	0
DEPT	AREA-70	0
DEPT	AREA-74	0
DEPT	AREA-84	0
DEPT	AREA-87	0
DEPT	AREA-91	0
OUTSIDE-MACH	SHOP .	0
OUTSIDE-MACH	AREA-51	0
OUTSIDE-MACH	AREA-60	0
OUTSIDE-MACH	AREA-65	0
OUTSIDE-MACH	AREA-70	0
OUTSIDE-MACH	AREA-74	0
OUTSIDE-MACH	AREA-84	0
OUTSIDE-MACH	AREA-87	0
OUTSIDE-MACH	AREA-91	0
SHOP .	AREA-51	0
SHOP.	AREA-60	0
SHOP.	AREA-65	0
SHOP.	AREA-70	0
SHOP.	AREA-74	0
SHOP.	AREA-84	0
SHOP .	AREA-87	0
SHOP.	AREA-91	0
AREA-51	AREA-60	385

# JOB LAYOUT - WORK AREAS

AREA-51	AREA-65	350
AREA-51	AREA-70	110
AREA-51	AREA-74	165
AREA-51	AREA-84	165
AREA-51	AREA-87	350
AREA-51	AREA-91	285
AREA-60	AREA-65	155
AREA-60	AREA-70	305
AREA-60	AREA-74	210
AREA-60	AREA-84	345
AREA-60	AREA-87	265
AREA-60	AREA-91	235
AREA-65	AREA-70	290
AREA-65	AREA-74	190
AREA-65	AREA-84	320
AREA-65	AREA-87	240
AREA-65	AREA-91	210
AREA-70	AREA-74	100
AREA-70	AREA-84	45
AREA-70	AREA-87	140
AREA-70	AREA-91	130
AREA-74	AREA-84	135
AREA-74	AREA-87	190
AREA-74	AREA-91	180
AREA-84	AREA-87	185
AREA-84	AREA-91	155
AREA-87	AREA-91	80

# JOB LAYOUT - WORK AREAS



Name	Location		Body/Frag/PT
-----			
WORKPLACES:			
YARD-ZONES	35,21	0,0	
ROAD-1	0,13	10,2	
ROAD-2	0,5	59,2	
WATER	35,18	0,0	
ZONE-1	0,15	10,5	
ZONE-2	0,7	10,6	
ZONE-3	0,0	20,5	
ZONE-4	10,7	15,8	
ZONE-5	25,7	15,8	
ZONE-6	20,0	20,5	
ZONE-7	45,7	10,14	
ZONE-8	45,0	10,5	
ZONE-9	60,0	10,10	
ZONE-10	60,11	10,9	
OBJECTS:			
PALLETS	YARD-ZONES		FRAG
BOLSTERS	YARD-ZONES		FRAG
UNITS	YARD-ZONES		FRAG

# JOB LAYOUT - WORK AREAS

## EQUIPMENT:

FRK-E	YARD-ZONES	03T
FRK-L	YARD-ZONES	01T
FRK-S	YARD-ZONES	02T
SM-STRAD-E	YARD-ZONES	06T
SM-STRAD-L	YARD-ZONES	04T
SM-STRAD-S	YARD-ZONES	05T
LG-STRAD-E	YARD-ZONES	09T
LG-STRAD-L	YARD-ZONES	07T
LG-STRAD-S	YARD-ZONES	08T

## OPERATORS:

FORK-DRIVER	ROAD-2	5,6 B
STRADDLE-DRIVER	ROAD-2	10,6

From	To	Steps
-----	-----	-----
YARD-ZONES	ROAD-1	0
YARD-ZONES	ROAD-2	0
YARD-ZONES	WATER	0
YARD-ZONES	ZONE-1	0
YARD-ZONES	ZONE-2	0
YARD-ZONES	ZONE-3	0
YARD-ZONES	ZONE-4	0
YARD-ZONES	ZONE-5	0
YARD-ZONES	ZONE-6	0
YARD-ZONES	ZONE-7	0
YARD-ZONES	ZONE-8	0
YARD-ZONES	ZONE-9	0
YARD-ZONES	ZONE-10	0
ROAD-1	ROAD-2	0
ROAD-1	UATER	0
ROAD-1	ZONE-1	0
ROAD-1	ZONE-2	0
ROAD-1	ZONE-3	0
ROAD-1	ZONE-4	0
ROAD-1	ZONE-5	0
ROAD-1	ZONE-6	0
ROAD-1	ZONE-7	0
ROAD-1	ZONE-8	0
ROAD-1	ZONE-9	0
ROAD-1	ZONE-10	0
ROAD-2	WATER	0
ROAD-2	ZONE-1	0



# JOB LAYOUT - WORK AREAS

ROAD-2	ZONE-2	0
ROAD-2	ZONE-3	0
ROAD-2	ZONE-4	0
ROAD-2	ZONE-5	0
ROAD-2	ZONE-6	0
ROAD-2	ZONE-7	0
ROAD-2	ZONE-8	0
ROAD-2	ZONE-9	0
ROAD-2	ZONE-10	0
WATER	ZONE-1	0
WATER	ZONE-2	0
WATER	ZONE-3	0
WATER	ZONE-4	0
WATER	ZONE - 5	0
WATER	ZONE-6	0
WATER	ZONE-7	0
WATER	ZONE-8	0
WATER	ZONE-9	0
WATER	ZONE-10	0
ZONE-1	ZONE-2	640
ZONE-1	ZONE-3	760
ZONE-1	ZONE-4	1190
ZONE-1	ZONE-5	1250
ZONE-1	ZONE-6	1180
ZONE-1	ZONE-7	1640
ZONE-1	ZONE-8	1560
ZONE-1	ZONE-9	1880
ZONE-1	ZONE - 1 0	2240
ZONE-2	ZONE-3	500
ZONE-2	ZONE-4	580
ZONE-2	ZONE-5	930
ZONE-2	ZONE-6	870
ZONE-2	ZONE-7	1340
ZONE-2	ZONE-8	1150
ZONE-2	ZONE-9"	1540
ZONE-2	ZONE-10	1910
ZONE-3	ZONE-4	650
ZONE-3	ZONE-5	940
ZONE-3	ZONE-6	810
ZONE-3	ZONE-7	1290
ZONE-3	ZONE-8	1180
ZONE-3	ZONE-9	1570
ZONE-3	ZONE-10	1960
ZONE-4	ZONE-5	600
ZONE-4	ZONE-6	610
ZONE-4	ZONE-7	1250
ZONE-4	ZONE-8	1140

# JOB LAYOUT - WORK AREAS

ZONE-4	ZONE-9	1330
ZONE-4	ZONE - 10	1730
ZONE-5	ZONE-6	650
ZONE-5	ZONE-7	1000
ZONE-5	ZONE-8	880
ZONE-5	Z O N E - 9	1080
ZONE-5	ZONE-10	1470
ZONE-6	ZONE-7	1030
ZONE-6	ZONE-8	910
ZONE-6	ZONE-9	1130
ZONE-6	ZONE-10	1480
ZONE-7	ZONE-8	470
ZONE-7	ZONE-9	940
ZONE-7	ZONE-10	1310
ZONE-8	ZONE-9	820
ZONE-8	ZONE-10	1190
ZONE-9	ZONE-10	810

**SECTION 3**  
**MANUAL METHODS**

1097. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1  
  
1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-1 USING FRK-E TO ZONE-3
1098. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1  
  
1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-1 USING FRK-E TO ZONE-4
1099. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1  
  
1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-1 USING FRK-E TO ZONE-4
1100. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD II TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-4  
  
1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-4 USING FRK-E TO ZONE-7

MANUAL METHODS

1101. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATI  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-5 USING FRK-E TO ZONE-9

1102. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATI  
PER HOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* . ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-6 USING FRK-E TO ZONE-7

1103, TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATI  
PER HOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSE~ TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* . ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-6 USING FRK-E TO ZONE-9

1104. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATI  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* . ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-7

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-7 USING FRK-E TO ZONE-8

## MANUAL METHODS

1105. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-7  
  
1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-7 USING FRK-E TO ZONE-9
1106. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-8  
  
1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-8 USING FRK-E TO ZONE-9
1107. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-8  
  
1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-8 USING FRK-E TO ZONE-10
1108. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSEB TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-9  
  
1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-9 USING FRK-E TO ZONE-10

## MANUAL METHODS

1109. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTAT  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-2

1 TRANSPORT PALLET ( EMPTY ) FROM AREA-2 USING FRK-E TO AREA-3

1115. TRANSPORT PALLET ON FORK TRUCK (ENPTY) AT ANY SHIPYARD TRANSPORTAT  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-1

1 TRANSPORT PALLET ( EMPTY ) FROM AREA-1 USING FRK-E TO AREA-10-T

1112. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTAT  
PER HOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-7

1 TRANSPORT PALLET ( EMPTY ) FROM AREA-7 USING FRK-E TO AREA-9

1113. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTAT  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-84

1 TRANSPORT PALLET ( EMPTY ) FROM AREA-84 USING FRK-E TO AREA-87

## MANUAL METHODS

1114. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-70  
  
1 TRANSPORT PALLET ( EMPTY ) FROM AREA-70 USING FRK-E TO AREA-84
1115. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-65  
  
1 TRANSPORT PALLET ( EMPTY ) FROM AREA-65 USING FRK-E TO AREA-70
711. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1  
  
1 TRANSPORT PALLET RAISE FROM ZONE-1 USING FRK-L TO ZONE-8 LOWER
712. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1  
  
1 TRANSPORT PALLET RAISE FROM ZONE-1 USING FRK-L TO ZONE-9 LOWER

## MANUAL METHODS

725. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTA  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING FRK-L TO ZONE-6 LOWER

727. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTA  
PER MOUE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING FRK-L TO ZONE-8 LOWER

723. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTA  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* . . . FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING FRK-L TO ZONE-9 LOWER

734. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTA  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED.  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-4

1 TRANSPORT PALLET RAISE FROM ZONE-4 USING FRK-L TO ZONE-10 LOWER



## MANUAL METHODS

738. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING FRK-L TO ZONE-9 LOWER

742. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET RAISE FROM ZONE-6 USING FRK-L TO ZONE-9 LOWER

745. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-7

1 TRANSPORT PALLET RAISE FROM ZONE-7 USING FRK-L TO ZONE-9 LOWER

747. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSEB TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* . . .FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET RAISE FROM ZONE-8 USING FRK-L TO ZONE-9 LOWER

## MANUAL METHODS

### 754. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD TRANSPORTATION

PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOADED SECURE

\* . . .FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-1

1 TRANSPORT PALLET RAISE FROM ZONE-1 USING FRK-S TO ZONE-6 LOWER

### 737. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD TRANSPORTATION

PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOADED SECURE

\* . . .FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-1

1 TRANSPORT PALLET RAISE FROM ZONE-1 USING FRK-S TO ZONE-9 LOWER

### 767. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD TRANSPORTATION

PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOADED SECURE

\* . . .FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING FRK-S TO ZONE-4 LOWER

## MANUAL METHODS

### 772. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD TRANSPORTATION

PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOADED SECURE

\* . . .FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING FRK-S TO ZONE-9 LOWER

### 773. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD TRANSPORTATION

PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOADED SECURE

\* . . .FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING FRK-S TO ZONE-10 LOWER

### 790. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD TRANSPORTATION

PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOADED SECURE

\* . . .FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-7

1 TRANSPORT PALLET RAISE FROM ZONE-7 USING FRK-S TO ZONE-9 LOWER

## MANUAL METHODS

793. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOADED SECURE

\* . . .FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET RAISE FROM ZONE-8 USING FRK-S TO ZONE-10 LOWER

**SECTION 4**  
**STANDARD TIME CALCULATION**

**4.1 TITLE SHEETS**

TRANSPORT PALLET ON FORK TRUCK AT ANY SHIPYARD TRANSPORTATION

**Titlesheet Organization List**

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Move

- 1097. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1098. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1099. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1100. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1101. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1102. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1103. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1104. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1105. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1106. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1107. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1108. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1109. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION

## STANDARD TIME CALCULATION

REPRESENTS ELAPSED TIME

- 1110. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATIO  
REPRESENTS ELAPSED TIME
- 1112. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATIO  
REPRESENTS ELAFSED TIME
- 1113. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATIO  
REPRESENTS ELAPSED TIME
- 1114. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATIO  
REPRESENTS ELAPSED TIME
- 1115. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATIO  
REPRESENTS ELAPSED TIME
- 711. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTAT  
REPRESENTS ELAPSED TIME
- 712. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTAT  
REPRESENTS ELAPSED TIME
- 725. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTAT  
REPRESENTS ELAPSED TIME
- 7270. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTAT  
REPRESENTS ELAPSED TIME
- 723. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTAT  
REPRESENTS ELAPSED TIME**
- 734. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTAT  
REPRESENTS ELAPSED TIME
- 738. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTAT  
REPRESENTS ELAPSED TIME
- 742. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTAT  
REPRESENTS ELAPSED TIME
- 745. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTAT  
REPRESENTS ELAPSED TIME
- 747. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTAT  
REPRESENTS ELAPSED TIME

STANDARD TIME CALCULATION

- 754. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 757. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 767. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 772. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 773. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 790. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 793. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYAR~  
TRANSPORTATION  
REPRESENTS ELAPSED TIME

## STANDARD TIME CALCULATION

### 4.2 HOW TO CALCULATE TIME STANDARDS

#### M O S T OPERATION TIME CALCULATION

DETAIL/UNIT/PART	X	REV. LTR/DATE	X	
PROCESS/OPER CODE	OPERATE	STANDARD CODE	X	
PART NAME	FORK TRUCK			
SHIP CLASS	X	HULL	X	
COST CLASS/JOB #	X	TRADE	TRANSPORTATION	
GROUP (UNIT/ZONE)	X	WORK AREA	SHIPYARD	
SUB-GROUP	X	WORK ZONE	X	
SUB-SUB-GROUP	X	WORK CENTER	X	
CREW/MACHINE	1 DRIVER	ASSET/MACHINE	X	
ITEM	X	SUB-ITEM	X	
GEN. DRAWING	X	WORK ORDER	X	
DET. DRAWING	X	SHEET	1	
WORK PACKAGE	X	APPLICATOR	PP	
OPER. DESCRIPTION OPERATE FORK TRUCK ON A TYPICAL DAY				
7:30 AM TO 12:00 NOON				
DATE	25-JUL-83	ISSUE #	2	

Step	Method Instruction	Freq
1	TRANSPORT PALLET ON FORK TRUCK (EMPTY) * REPRESENTS MOVEMENT OF AN EMPTY * ...FORK TRUCK * 9-84-1 TO 9-87-5 TO GAS PUMP * FILL GAS TANK	( 1113)
2	TRANSPORT PALLET ON FORK TRUCK (EMPTY) * REPRESENTS MOVEMENT OF AN EMPTY	( 1113)



# STANDARD TIME CALCULATION

	* ...FORK TRUCK	
	* 9-87-5 TO 9-84-2 TO WAREHOUSE	
3	TRANSPORT PALLET ON FORK TRUCK ( LOOSE )	( 742 )
	* REPRESENTS MOVEMENT OF A LOOSE LOADED	
	* ...FORK TRUCK	
	* 9-84-2 TO 6-42-6 TO FAB SHOP	
	* MASONITE	
4	TRANSPORT PALLET ON FORK TRUCK (EMPTY)	( 1103 )
	* REPRESENTS MOVEMENT OF AN EMPTY	
	* ...FORK TRUCK	
	* 6-42-6 TO 9-84-1 TO WAREHOUSE	
5	TRANSPORT PALLET ON FORK TRUCK ( SECURE )	( 757 )
	* REPRESENTS MOVEMENT OF A LOADED SECURE	
	* ...FORK TRUCK	
	* 9-84-1 TO 1-2-6 TO BASIN - NORTH	
	* BIN - VALVES	
6	TRANSPORT PALLET ON FORK TRUCK (EMPTY)	( 1109 )
	* REPRESENTS MOVEMENT OF AN EMPTY	
	* ...FORK TRUCK	
	* 1-2-6 TO 1-3-7 TO BASIN - SOUTH	
	* CAN'T PICK UP LIFT	
7	TRANSPORT PALLET ON FORK TRUCK (EMPTY)	( 1098 )
	* REPRESENTS MOVEMENT OF AN EMPTY	
	* ...FORK TRUCK	
	* 1-3-7 TO 4-9-1 TO 9-WAY	
	* LOCAL MOVES - 30 DEPARTMENT	
8	TRANSPORT PALLET ON FORK TRUCK (EMPTY)	( 1112 )
	* REPRESENTS MOVEMENT OF AN EMPTY	
	* ...FORK TRUCK	
	* 4-9-1 TO 4-7-2 TO 7-WAY	
9	TRANSPORT PALLET ON FORK TRUCK ( LOOSE )	( 734 )
	* REPRESENTS MOVEMENT OF A LOOSE LOADED	
	* ...FORK TRUCK	
	* 4-7-2 TO 10-5-1 TO DUMP	
	* TRASH-BIN	
10	TRANSPORT PALLET ON FORK TRUCK (EMPTY)	( 1108 )
	* REPRESENTS MOVEMENT OF AN EMPTY	
	* ...FORK TRUCK	
	* 10-5-1 TO 9-84-1 TO WAREHOUSE	
11	TRANSPORT PALLET ON FORK TRUCK ( SECURE )	( 772 )
	* REPRESENTS MOVEMENT OF A LOADED SECURE	
	* ...FORK TRUCK	
	* 9-84-1 TO 3-25-1 TO 25-AREA	
12	TRANSPORT PALLET ON FORK TRUCK (EMPTY)	( 1097 )
	* REPRESENTS MOVEMENT OF AN EMPTY	
	* ...FORK TRUCK	
	* 3-25-1 TO 1-1-4 TO BASIN - NORTH	

# STANDARD TIME CALCULATION

	* CAN'T LOCATE LIFT	
13	TRANSPORT PALLET ON FORK TRUCK (EMPTY) * REPRESENTS MOVEMENT OF AN EMPTY * ...FORK TRUCK * 1-1-4 TO 3-25-3 TO 25-AREA	( 1097)
14	TRANSPORT PALLET ON FORK TRUCK ( SECURE ) * REPRESENTS MOVEMENT OF A LOADED SECURE * ...FORK TRUCK * 3-25-3 TO 10-5-1 TO DUMP * SCRAP-PAN	( 773)
15	TRANSPORT PALLET ON FORK TRUCK (EMPTY) * REPRESENTS MOVEMENT OF AN EMPTY * ...FORK TRUCK * 10-5-1 TO 9-84-1 TO WAREHOUSE	( 1108)
16	TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) * REPRESENTS MOVEMENT OF A LOOSE LOADED * ...FORK TRUCK * 9-84-1 TO 7-52-8 TO PIPE SHOP * PALLET - SLEEVES	( 745)
17	TRANSPORT PALLET ON FORK TRUCK (EMPTY) * REPRESENTS MOVEMENT OF AN EMPTY * ...FORK TRUCK * 7-52-8 TO 9-84-1 TO WAREHOUSE	( 1105)
18	TRANSPORT PALLET ON FORK TRUCK ( SECURE ) * REPRESENTS MOVEMENT OF A LOADED SECURE * ...FORK TRUCK * 9-84-1 TO 7-52-8 TO PIPE SHOP * BASKET - ELBOWS	( 790)
19	TRANSPORT PALLET ON FORK TRUCK (EMPTY) * REPRESENTS MOVEMENT OF AN EMPTY * ...FORK TRUCK * 7-52-8 TO 9-84-1 TO WAREHOUSE	( 1105)
20	TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) * REPRESENTS MOVEMENT OF A LOOSE LOADED * ...FORK TRUCK * 9-84-1 TO 1-2-7 TO BASIN - NORTH * PALLET - VALVES	( 712)
21	TRANSPORT PALLET ON FORK TRUCK (EMPTY) * REPRESENTS MOVEMENT OF AN EMPTY * ...FORK TRUCK * 1-2-7 TO 6-42-3 TO FAB SHOP	( 1099)
22	TRANSPORT PALLET ON FORK TRUCK ( SECURE ) * REPRESENTS MOVEMENT OF A LOADED SECURE * ...FORK TRUCK * 6-42-3 TO 1-1-8 TO BASIN - NORTH * BIN - BRACKETS	( 754)
23	TRANSPORT PALLET ON FORK TRUCK (EMPTY)	( 1097)

# STANDARD TIME CALCULATION

\* REPRESENTS MOVEMENT OF AN EMPTY  
 \* ...FORK TRUCK  
 \* 1-1-8 TO 3-1-2 TO PLATE BLASTER

24 TRANSPORT PALLET ON FORK TRUCK ( SECURE ) ( 767)  
 \* REPRESENTS MOVEMENT OF A LOADED SECURE  
 \* ...FORK TRUCK  
 \* 3-1-2 TO 4-8-2 TO 8-WAY (MAINTENANCE)  
 \* BIN - CONVEYOR BELT

25 TRANSPORT PALLET ON FORK TRUCK (EMPTY) ( 1100)  
 \* REPRESENTS MOVEMENT OF AN EMPTY  
 \* ...FORK TRUCK  
 \* 4-8-2 TO 7-1-2 TO 1-PIER

26 TRANSPORT PALLET ON FORK TRUCK ( SECURE ) ( 790)  
 \* REPRESENTS MOVEMENT OF A LOADED SECURE  
 \* ...FORK TRUCK  
 \* 7-1-2 TO 9-70-6 TO ELECTRIC SHOP  
 \* BIN - CABLES

27 TRANSPORT PALLET ON FORK TRUCK (EMPTY) ( 1114)  
 \* REPRESENTS MOVEMENT OF AN EMPTY  
 \* ...FORK TRUCK  
 \* 9-70-6 TO 9-84-1 TO WAREHOUSE

28 TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) ( 747)  
 \* REPRESENTS MOVEMENT OF A LOOSE LOADED  
 \* ...FORK TRUCK  
 \* 9-84-1 TO 8-4-1 TO EMPLOYMENT OFFICE  
 \* PALLET - BOXES

29 TRANSPORT PALLET ON FORK TRUCK (EMPTY) ( 1106)  
 \* REPRESENTS MOVEMENT OF AN EMPTY  
 \* ...FORK TRUCK  
 \* 8-4-1 TO 9-74-10 TO SHEET METAL SHOP

30 TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) ( 738)  
 \* REPRESENTS MOVEMENT OF A LOOSE LOADED  
 \* ...FORK TRUCK  
 \* 9-74-10 TO 5-34-8 (BLAST - HUT)  
 \* PALLET - BRACKETS

31 TRANSPORT PALLET ON FORK TRUCK (EMPTY) ( 1101)  
 \* REPRESENTS MOVEMENT OF AN EMPTY  
 \* ...FORK TRUCK  
 \* 5-34-8 TO 9-84-2 TO WAREHOUSE

32 TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) ( 745)  
 \* REPRESENTS MOVEMENT OF A LOOSE LOADED  
 \* ...FORK TRUCK  
 \* 9-84-2 TO 7-1-2 TO 1-PIER  
 \* PALLET - BRACKETS

33 TRANSPORT PALLET ON FORK TRUCK (EMPTY) ( 1104)  
 \* REPRESENTS MOVEMENT OF AN EMPTY  
 \* ...FORK TRUCK

## STANDARD TIME CALCULATION

- \* 7-1-2 TO 8-58-4 TO BOILER SHOP
- 34 TRANSPORT PALLET ON FORK TRUCK ( SECURE ) ( 793)
  - \* REPRESENTS MOVEMENT OF A LOADED SECURE
  - \* . . .FORK TRUCK
  - \* 8-58-4 TO 10-5-1 TO DUMP
  - \* SCRAP-PAN
- 35 TRANSPORT PALLET ON FORK TRUCK (EMPTY) ( 1107)
  - \* REPRESENTS MOVEMENT OF AN EMPTY
  - \* . . .FORK TRUCK
  - \* 10-5-1 TO 8-3-4 TO SUPT. BLDG.
  - \* LUNCH

# STANDARD TIME CALCULATION

## MOST OPERATION TIME CALCULATION

STEP	SA	FREQ	INTERNAL TMU	EXTERNAL TMU	LOC #
1	0.00	1.00		4700.	1113
2	0.00	1.00		4700.	1113
3	0.00	1.00		19700.	742
4	0.00	1.00		9000.	1103
5	0.00	1.00		22000.	757
6	0.00	1.00		6500.	1109
7	0.00	1.00		10400.	1098
8	0.00	1.00		4700.	1112
9	0.00	1.00		2440.	734
10	0.00	1.00		7700.	1108
11	0.00	1.00		22000.	772
12	0.00	1.00		7700.	1097
13	0.00	1.00		7700.	1097
14	0.00	1.00		24400.	773
15	0.00	1.00		7700.	1108
16	0.00	1.00		17600.	745
17	0.00	1.00		9000.	1105
18	0.00	1.00		17600.	790
19	0.00	1.00		9000.	1105
20	0.00	1.00		24400.	712
21	0.00	1.00		10400.	1099
22	0.00	1.00		19700.	754
23	0.00	1.00		7700.	1097
24	0.00	1.00		17600.	767
25	0.00	1.00		10400.	1100
26	0.00	1.00		17600.	790
27	0.00	1.00		3900.	1114
28	0.00	1.00		17600.	747
29	0.00	1.00		7700.	1106
30	0.00	1.00		19700.	738
31	0.00	1.00		9000.	1101
32	0.00	1.00		17600.	745
33	0.00	1.00		6500.	1104
34	0.00	1.00		19700.	793
35	0.00	1.00		10400.	1107

MANUAL TIME(TMU) 0. 456400.

ACTUAL PROCESS TIME(TMU) 0. 0.

## STANDARD TIME CALCULATION

FACTORED PROCESS TIME(TMU) 0.

TOTAL INTERNAL TIME(TMU) 0.

TITLE SHEET USED IN SETTING STANDARD: 0

# STANDARD TIME CALCULATION

## M O S T OPERATION TIME CALCULATION

### Engineered Operation Time Calculation

Type of Work	Elemental Time	Percent Allowance	Allowance Time	Standard Time
EXTERNAL MANUAL	4.564		0.000	4.564
ASSIGNED INTERNAL	( 0.000)	( )	( 0.000)	( 0.000)
PROCESS TIME	0.000		0.000	0.000
STANDARD(HRS./CYCLE)	4.564		0.000	4.564
PIECES PER CYCLE	1			
STANDARD HOURS				4.6

## STANDARD

## H O S T OPERATION TIME CALCULATION

DETAIL/UNIT/PART	X	REV. LTR/DATE	X
PROCESS/OPER CODE	OPERATE	STANDARD CODE	X
PART NAME	FORK TRUCK		
SHIP CLASS	X	HULL	X
COST CLASS/JOB #	X	TRADE	TRANSPORTATION
GROUP (UNIT/ZONE)	X	WORK AREA	SHIPYARD
SUB-GROUP	X	WORK ZONE	X
SUB-SUB-GROUP	X	WORK CENTER	X
CREW/MACHINE	1 DRIVER	ASSET/MACHINE	X
ITEM	X	SUB-ITEM	X
GEN. DRAWING	X	WORK ORDER	X
DET. DRAWING	X	SHEET	1
WORK PACKAGE	X	APPLICATOR	PP
OPER. DESCRIPTION OPERATE FORK TRUCK ON A TYPICAL DAY			
12:30 PM TO 4:00 PM			
DATE	25-JUL-83	ISSUE #	3

Step	Method Instruction	Freq
1	TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) * REPRESENTS MOVEMENT OF A LOOSE LOADED * ...FORK TRUCK * 8-3-4 TO 3-1-1 TO PLATE BLASTER * PALLET - PAINT	( 727)
2	TRANSPORT PALLET ON FORK TRUCK (EMPTY) * REPRESENTS MOVEMENT OF AN EMPTY * ...FORK TRUCK * 3-1-1 TO 3-12-42 TO RACK STORAGE	( 1110)



# STANDARD TIME CALCULATION

3	TRANSPORT PALLET ON FORK TRUCK ( LOOSE )	( 725)	
	* REPRESENTS MOVEMENT OF A LOOSE LOADED		
	* ...FORK TRUCK		
	* 3-12-42 TO 6-42-2 TO FAB SHOP		
	* PALLET - BRACKETS		
4	TRANSPORT PALLET ON FORK TRUCK (EMPTY)	( 1102)	
	* REPRESENTS MOVEMENT OF AN EMPTY		
	* ...FORK TRUCK		
	* 6-42-2 TO 7-52-20 TO PIPE SHOP		
5	TRANSPORT PALLET ON FORK TRUCK ( SECURE )	( 790)	
	* REPRESENTS MOVEMENT OF A LOADED SECURE		
	* ...FORK TRUCK		
	* 7-52-20 TO 9-70-6 TO ELECTRIC SHOP		
	* BIN - TEMPORARY LIGHTS		
6	TRANSPORT PALLET ON FORK TRUCK (EMPTY)	( 1115)	
	* REPRESENTS MOVEMENT OF AN EMPTY		
	* ...FORK TRUCK		
	* 9-70-6 TO 9-65-1 TO RIGGING DEPARTMENT		
	* LIFT NOT THERE		
7	TRANSPORT PALLET ON FORK TRUCK (EMPTY)	( 1106)	
	* REPRESENTS MOVEMENT OF AN EMPTY		
	* ...FORK TRUCK		
	* 9-65-1 TO 8-3-4 TO SUPT. BLDG.		
	* PICK UP LIFT LIST		
8	TRANSPORT PALLET ON FORK TRUCK (EMPTY)	( 1106)	
	* REPRESENTS MOVEMENT OF AN EMPTY		
	* ...FORK TRUCK		
	* 8-3-4 TO 9-84-1 TO WAREHOUSE		
9	TRANSPORT PALLET ON FORK TRUCK ( LOOSE )	( 723)	
	* REPRESENTS MOVEMENT OF A LOOSE LOADED		
	* ...FORK TRUCK		
	* 9-84-1 TO 3-1-1 TO PLATE BLASTER		
	* PALLET - PAINT		
10	TRANSPORT PALLET ON FORK TRUCK (EMPTY)	( 1097)	
	* REPRESENTS MOVEMENT OF AN EMPTY		
	* ...FORK TRUCK		
	* 3-1-1 TO 1-3-7 TO BASIN - SOUTH		
11	TRANSPORT PALLET ON FORK TRUCK ( LOOSE )	( 711)	
	* REPRESENTS MOVEMENT OF A LOOSE LOADED		
	* ...FORK TRUCK		
	* 1-3-7 TO 8-1-5 TO MAINTENANCE		
	* PALLET - PUMP		
12	TRANSPORT PALLET ON FORK TRUCK (EMPTY)	( 1104)	
	* REPRESENTS MOVEMENT OF AN EMPTY		
	* ...FORK TRUCK		
	* 8-1-5 TO 7-1-2 TO 1-PIER		
13	TRANSPORT PALLET ON FORK TRUCK ( SECURE )	( 790)	2

# STANDARD TIME CALCULATION

\* REPRESENTS MOVEMENT OF A LOADED SECURE  
 \* ...FORK TRUCK  
 \* 7-1-2 TO 9-70-6 TO ELECTRIC SHOP  
 \* BIN - CABLES  
 14 TRANSPORT PALLET ON FORK TRUCK (EMPTY) ( 1105)  
 \* REPRESENTS MOVEMENT OF AN EMPTY  
 \* ...FORK TRUCK  
 \* 9-70-6 TO 7-1-2 TO 1-PIER  
 15 TRANSPORT PALLET ON FORK TRUCK (EMPTY) ( 1114)  
 \* REPRESENTS MOVEMENT OF AN EMPTY  
 \* ...FORK TRUCK  
 \* 9-70-6 TO 9-84-1 TO WAREHOUSE  
 16 TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) ( 745)  
 \* REPRESENTS MOVEMENT OF A LOOSE LOADED  
 \* ...FORK TRUCK  
 \* 9-84-1 TO 7-1-2 TO 1-PIER  
 \* PALLET -BRACKETS  
 17 TRANSPORT PALLET ON FORK TRUCK (EMPTY) ( 1105)  
 \* REPRESENTS MOVEMENT OF AN EMPTY  
 \* ...FORK TRUCK  
 \* 7-1-2 TO 9-84-1 TO WAREHOUSE  
 18 TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) ( 723) 4  
 \* REPRESENTS MOVEMENT OF A LOOSE LOADED  
 \* ...FORK TRUCK  
 \* 9-84-1 TO 7-75-1 TO PAINT SHOP  
 \* PALLET - PAINT  
 19 TRANSPORT PALLET ON FORK TRUCK (EMPTY) ( 1105) 4  
 \* REPRESENTS MOVEMENT OF AN EMPTY  
 \* ...FORK TRUCK  
 \* 7-75-1 TO 9-84-1 TO WAREHOUSE  
 20 TRANSPORT PALLET ON FORK TRUCK (EMPTY) ( 1113)  
 \* REPRESENTS MOVEMENT OF AN EMPTY  
 \* ...FORK TRUCK  
 \* 9-84-1 TO 9-87-5 TO GARAGE  
 \* END OF SHIFT

# STANDARD TIME CALCULATION

## MO S T OPERATION TIME CALCULATION

STEP	SA	FREQ	INTERNAL TMU	EXTERNAL TMU	LOC #
1	0.00	1.00		19700.	727
2	0.00	1.00		4700.	1110
3	0.00	1.00		17600.	725
4	0.00	1.00		9000.	1102
5	0.00	1.00		17600 .	790
6	0.00	1.00		5500.	1115
7	0.00	1.00		7700 .	1106
8	0.00	1.00		7700.	1106
9	0.00	1.00		22000 .	723
10	0.00	1.00		7700.	1097
11	0.00	1.00		22000 .	711
12	0.00	1.00		6500.	1104
13	0.00	2.00		35200.	790
14	0.00	1.00		9000.	1105
15	0.00	1.00		3900 .	1114
16	0.00	1.00		17600.	745
17	0.00	1.00		9000 .	1105
18	0.00	4.00		88000.	723
19	0.00	4.00		36000.	1105
20	0.00	1.00		4700 .	1113

MANUAL TIME(TMU)	0.	807500.
ACTUAL PROCESS TIME(TMU)	0.	0.
FACTORED PROCESS TIME(TMU)	0.	
TOTAL INTERNAL TIME(TWJ)	0.	

TITLE SHEET USED IN SETTING STANDARD: 0

STANDARD TIME CALCULAT TO:

M O S T OPERATION TIME CALCULATION

Engineered Operation Time Calculation				
Type of work	Elemental Time	Percent Allowance	Allowance Time	Standard Time
EXTERNAL MANUAL	3.511		0.000	3.511
ASSIGNED INTERNAL (	0.000)	( )	( 0.000)	( 0.000)
PROCESS TIME	0.000		0.000	0.000
STANDARD(HRS./CYCLE)	3.511		0.000	3.511
PIECES PER CYCLE	1			
STANDARD HOURS				3.5

SECTION 5  
DATA SYNTHESIS AND BACK-UP

5.1 SUMMARY

1097. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1

TOTAL TMU            7700.

1098. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1

TOTAL TMU            10400.

1099. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1

TOTAL TMU            10400.

1100. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-4

TOTAL TMU            10400.

DATA SYNTHESIS AND BACK-UP

1101. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-5

TOTAL TMU 9000.

1102. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-6

TOTAL TMU 9000 .

1103. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-6

TOTAL TMU 9000.

1104. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83'  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-7

TOTAL TMU 6500.

DATA SYNTHESIS AND BACK-UP

1105. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\*...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-7

TOTAL TMU 9000 .

1106. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-8

TOTAL TMU 7700.

1107. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME -  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-8

TOTAL TMU 10400,

1108. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\*...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-9

TOTAL TMU 7700 .

ATA SYNTHESIS AND BACK-UP

1109. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-2

TOTAL TMU 6500.

1110. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-1

TOTAL TMU 4700.

1112. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-7

TOTAL TMU 4700.

1113. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-84

TOTAL TMU 4700.



DATA SYNTHESIS AND BACK-UP

1114. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-70

TOTAL TMU 3900 .

1115. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-65

TOTAL TMU 5500 .

711. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1

TOTAL TMU 22000 .

712. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER HOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1

TOTAL TMU 24400 .

DATA SYNTHESIS AND BACK-UP

725. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-3

TOTAL TMU 17600.

727. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-3

TOTAL TMU 19700.

723. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-3

TOTAL TMU 22000 .

734. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ... FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-4

TOTAL TMU 24400.

DATA SYNTHESIS AND BACK-UP

738. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-5

TOTAL TMU 19700,

742. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...FORK( TRUCK  
FORK-DRIVER BEGINS AT ZONE-6

TOTAL TMU 19700.

745. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSFORMATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-7

TOTAL TMU 17600.

747. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-8

TOTAL TMU . 17600 .

DATA SYNTHESIS AND BACK-UP

754. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOADED SECURE  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1

TOTAL TMU 19700.

757. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOADED SECURE  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-I

TOTAL TMU 22000.

767. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEHENT OF A LOADED SECURE  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-3

TOTAL TMU 17600.

DATA SYNTHESIS AND BACK-UP

772. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOADED SECURE  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-3

TOTAL TMU 22000.

773. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOADED SECURE  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-3

TOTAL TMU 24400.

790. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED THE  
\* REPRESENTS MOVEMENT OF A LOADED SECURE  
\* ...FORK TRUCK  
FORK-DRIVER REGINS AT ZONE-7

TOTAL TMU 17600.

DATA SYNTHESIS AND BACK-UP

793. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOADED SECURE  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-8

TOTAL TMU 19700.

DATA SYNTHESIS AND BACK-UP

5.2 SYNTHESIS AND ANALYSIS

1097. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG : 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-1	USING	FRK-E	TO	ZONE-3		
	A1	S6	T16	LO	T54	LO	TO	AO		1.00		7700.	

TOTAL	TMU	7700.
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1098. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-1	USING	FRK-E	TO	ZONE-4		
	A1	S6	T16	LO	T81	LO	TO	AO		1.00		10400.	

TOTAL	TMU	10400.
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1099. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-1	USING	FRK-E	TO	ZONE-6		
	A1	S6	T16	LO	T81	LO	TO	AO		1000		10400.	

TOTAL	TMU	10400.
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DATA SYNTHESIS AND BACK-UP

1100. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER HOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-4

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-4 USING FRK-E TO ZONE-7  
A1 S6 T16 LO T81 LO TO AO 1.00 10400.

TOTAL TMU 10400.

1101. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-5 USING FRK-E TO ZONE-9  
A1 S6 T16 LO T67 LO TO AO 1.00 9000.

TOTAL TMU 9000.

1102. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-6 USING FRK-E TO ZONE-7  
A1 S6 T16 LO T67 LO TO AO 1.00 9000.

TOTAL TMU 9000.



# DATA SYNTHESIS AND BACK-UP

1103. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-6

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-6	USING	FRK-E	TO	ZONE-9	
	A1	S6	T16	LO	T67	LO	TO	AO		1.00		9000 .

TOTAL	TMU	9000.
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1104. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-7

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-7	USING	FRK-E	TO	ZONE-8	
	A1	S6	T16	LO	T42	LO	TO	AO		1.00		6500.

TOTAL	TMU	6500.
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1105. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-7-

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-7	USING	FRK-E	TO	ZONE-9	
	A1	S6	T16	LO	T47	LO	TO	AO		1.00		9000.

TOTAL	TMU	9000 .
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DATA SYNTHESIS AND BACK-UP

1106. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-8 USING FRK-E TO ZONE-9  
A1 S4 T16 LO TS4 LO TO AO 1.00 7700 .

TOTAL TMU 7700.

11070. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-8 USING FRK-E TO ZONE-10  
A1 S6 T16 LO T81 LO TO AO 1.00 10400.

TOTAL TMU 10400.

1108. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK( TRUCK  
FORK-DRIVER BEGINS AT ZONE-9

1 TRANSPORT PALLET (.EMPTY ) FROM ZONE-9 USING FRK-E TO ZONE-10  
A-1 S6 T16 LO TS4 LO TO AO 1.00 7700 .

TOTAL TMU 7700.

## DATA SYNTHESIS AND BACK-UP

1109. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-2

```

1  TRANSPORT PALLET ( EMPTY ) FROM AREA-2 USING FRK-E TO AREA-3
      At S6 T16 LO T42 LO TO AO          1.00      6500 .

```

TOTAL TMU	6500.
-----------	-------

1110. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-1

```

1  TRANSPORT  PALLET (  EMPTY )  FROM AREA-1  USING FRK-E  TO AREA-10-TO-23
                                A1-  S6  T16  LO  T24  LO  TO  AO           1.00    4700 .

```

TOTAL TMU 4700.

1112. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-7

```

1  TRANSPORT PALLET ( EMPTY ) FROM AREA-7 USING FRK-E TO AREA-9
      A1  S6  T16  LO  T24  LO    TO  AO          1.00    4700.

```

TOTAL TMU 4 7 0 0 .

DATA SYNTHESIS AND BACK-UP

1113. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-84

1 TRANSPORT PALLET ( EMPTY ) FROM AREA-84 USING FRK-E TO AREA-87  
A1 S6 T16 L0 T24 L0 TO A0 1.00 4700.

TOTAL TMU 4700.

1114. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-70

1 TRANSPORT PALLET ( EMPTY ) FROM AREA-70 USING FRK-E TO AREA-84  
A1 S6 T16 L0 T16 L0 TO A0 1.00 3900.

TOTAL TMU 3900.

1115. TRANSPORT PALLET ON FORK TRUCK (EMPTY) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 21-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT AREA-65

1 TRANSPORT PALLET ( EMPTY ) FROM AREA-65 USING FRK-E TO AREA-70  
A1 S6 T16 L0 T32 L0 TO A0 1.00 5500.

TOTAL TMU 5500.

DATA SYNTHESIS AND BACK-UP

711. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-1

1 TRANSPORT PALLET RAISE FROM ZONE-1 USING FRK-L TO ZONE-8 LOWER

A1 S6 T1 L10 T196L6 TO A0 1.00 22000.

TOTAL THU 22000.

712. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-1

1 TRANSPORT PALLET RAISE FROM ZONE-1 USING FRK-L TO ZONE-9 LOWER

A1 S6 T1 L10 T220L6 TO A0 1.00 24400.

TOTAL THU 24400.

725. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING FRK-L TO ZONE-6 LOWER

A1 S6 T1 L10 T152L6 TO A0 1.00 17600.

TOTAL THU 17600.

DATA SYNTHESIS AND BACK-UP

727. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING FRK-L TO ZONE-8 LOWER  
A1 S6 T1 L10 T173L6 TO A0 1.00 19700.

TOTAL TMU 19700.

723. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING FRK-L TO ZONE-9 LOWER  
A1 S6 T1 L10 T196L6 TO A0 1.00 22000.

TOTAL TMU 22000.

734. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-4

1 TRANSPORT PALLET RAISE FROM ZONE-4 USING FRK-L TO ZONE-10 LOWER  
A1 S6 T1 L10 T220L6 TO A0 1.00 24400.

TOTAL TMU 24400.

DATA SYNTHESIS AND BACK-UP

738. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING FRK-L TO ZONE-9 LOWER

A1 S6 T1 L10 T173L6 TO A0 1.00 19700.

TOTAL TMU 19700.

742. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET RAISE FROM ZONE-6 USING FRK-L TO ZONE-9 LOWER

A1 S6 T1 L10 T173L6 TO A0 1.00 19700.

TOTAL TMU 19700.

745. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-7

1 TRANSPORT PALLET RAISE FROM ZONE-7 USING FRK-L TO ZONE-9 LOWER

A1 S6 T1 L10 T152L6 TO A0 1.00 17600.

TOTAL TMU 17600.

DATA SYNTHESIS AND BACK-UP

747. TRANSPORT PALLET ON FORK TRUCK ( LOOSE ) AT ANY SHIPYARD TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET RAISE FROM ZONE-8 USING FRK-L TO ZONE-9 LOWER  
A1 S6 T1 L10 T152L6 TO A0 1.00 17600.

TOTAL TMU 17600.

754. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOADED SECURE  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1

1 TRANSPORT PALLET RAISE FROM ZONE-1 USING FRK-S TO ZONE-6 LOWER  
A1 S6 T1 L10 T173L6 TO A0 1.00 19700.

TOTAL TMU 19700.

757. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 18-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOADED SECURE  
\* ...FORK TRUCK  
FORK-DRIVER BEGINS AT ZONE-1

1 TRANSPORT PALLET RAISE FROM ZONE-1 USING FRK-S TO ZONE-9 LOWER  
A1 S6 T1 L10 T196L6 TO A0 1.00 22000.

TOTAL TMU 22000.



# DATA SYNTHESIS AND RACK-UP

767. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOADED SECURE

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING FRK-S TO ZONE-4 LOWER  
A1 S6 T1 L10 T152L6 TO AO 1.00 17600 .

TOTAL TMU 17600.

772. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOADED SECURE

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING FRK-S TO ZONE-9 LOWER  
A1 S6 T1 L10 T196L6 TO AO 1.00 22000.

TOTAL TMU 22000.

773. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOADED SECURE

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING FRK-S TO ZONE-10 LOWER  
A1 S6 T1 L10 T220L6 TO AO 1.00 24400.

TOTAL TMU 24400.

DATA SYNTHESIS AND BACK-UP

790. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOADED SECURE

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-7

1 TRANSPORT PALLET RAISE FROM ZONE-7 USING FRK-S TO ZONE-9 LOWER

A1 S6 T1 L10 T152L6 TO A0 1.00 17600.

TOTAL TMU 17600.

793. TRANSPORT PALLET ON FORK TRUCK ( SECURE ) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 18-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOADED SECURE

\* ...FORK TRUCK

FORK-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET RAISE FROM ZONE-8 USING FRK-S TO ZONE-10 LOWER

A1 S6 T1 L10 T173L6 TO A0 1.00 19700.

TOTAL TMU 19700.

WORK MANAGEMENT MANUAL

BACK-UP DATA  
for  
MATERIAL HANDLING EQUIPMENT  
SMALL STRADDLE CARRIER

Prepared for

SNAME Panel SP-8  
KarAd Task. ES-8-15  
Under direction of  
H.B. MAYnard & Co.

Prepared by

Industrial Engineering Department.  
Bethlehem Steel Corporation  
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July, 1983

## INDEX

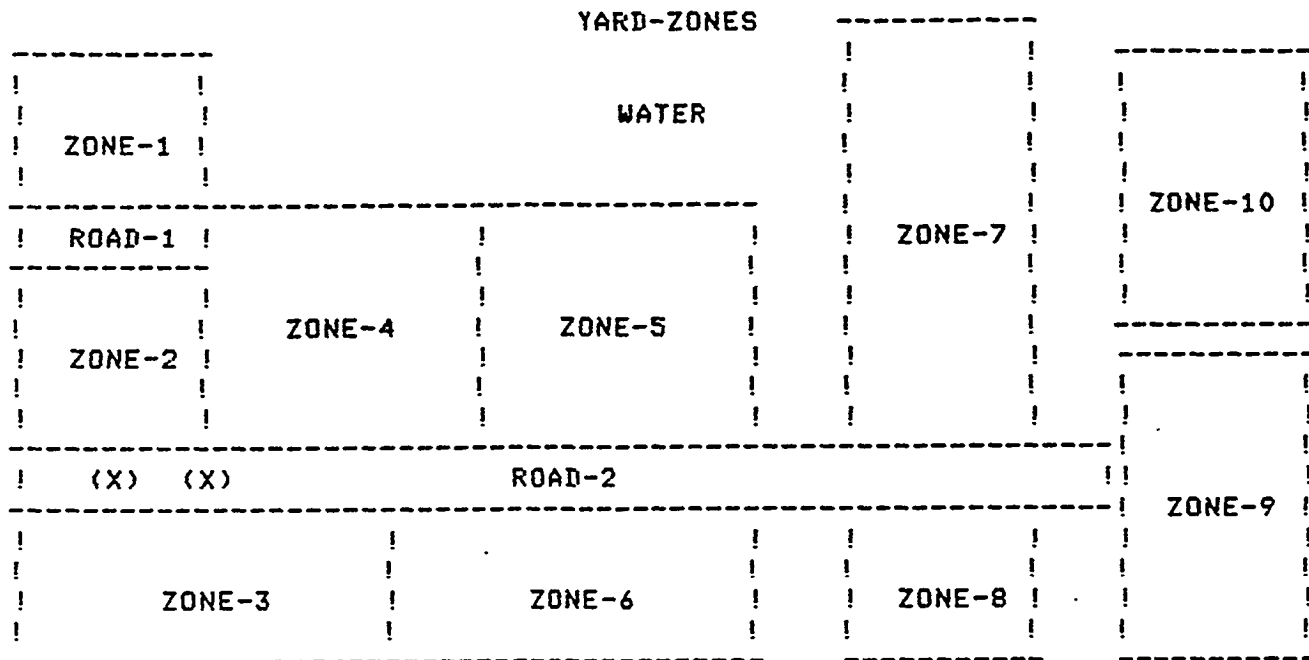
SECTION	TITLE	PAGE #
1	SCOPE	3
2	JOB LAYOUT - WORK AREAS	4-59
3	MANUAL METHODS	40-75
4	STANDARD TIME CALCULATIONS	76-98
4.1	TITLE SHEETS	76-80
4.2	HOW TO CALCULATE TIME STANDARDS	80-98
5	DATA SYNTHESIS AND BACK-UP	99-129
5.1	SUMMARY	99-114
5.2	SYNTHESIS AND ANALYSIS	115-129

## SECTION 1

### SCOPE

This manual contains the back-up data for the small straddle carrier movements on a typical day. The data includes the pertinent work areas, titlesheets, time standards and manual methods. Any further information about the small straddle carrier or arts **Of** the data can be found in the general work Management Manual on Material Handling Equipment.

SECTION 2  
JOB LAYOUT - WORK AREAS



Name	Location		Body/Frag/PT
-----			
WORKPLACES:			
YARD-ZONES	35,21	0,0	
ROAD-1	0,13	10,2	
ROAD-2	0,5	59,2	
WATER	35,18	0,0	
ZONE-1	0,15	10,5	
ZONE-2	0,7	10,6	
ZONE-3	0,0	20,5	
ZONE-4	10,7	15,8	
ZONE-5	25,7	15,8	
ZONE-6	20,0	20,5	
ZONE-7	45,7	10,14	
ZONE-8	45,0	10,5	
ZONE-9	60,0	10,10	
ZONE-10	60,11	10,9	
OBJECTS:			
PALLETS	YARD-ZONES		FRAG
BOLSTERS	YARD-ZONES		FRAG
UNITS	YARD-ZONES		FRAG

# JOB LAYOUT - WORK AREAS

## EQUIPMENT:

FRK-E	YARD-ZONES	03T
FRK-L	YARD-ZONES	01T
FRK-S	YARD-ZONES	02T
SM-STRAD-E	YARD-ZONES	06T
SM-STRAD-L	YARD-ZONES	04T
SM-STRAD-S	YARD-ZONES	05T
LG-STRAD-E	YARD-ZONES	09T
LG-STRAD-L	YARD-ZONES	07T
LG-STRAD-S	YARD-ZONES	08T

## OPERATORS:

FORK-DRIVER	ROAD-2	5,6 B
STRADDLE-BRIUER	ROAD-2	10,6

From -----	To -----	Steps -----
YARD-ZONES	ROAD-1	0
YARD-ZONES	ROAD-2	0
YARD-ZONES	WATER	0
YARD-ZONES	ZONE-1	0
YARD-ZONES	ZONE-2	0
YARD-ZONES	ZONE-3	0
YARD-ZONES	ZONE-4	0
YARD-ZONES	ZONE-5	0
YARD-ZONES	ZONE-6	0
YARD-ZONES	ZONE-7	0
YARD-ZONES	ZONE-8	0
YARD-ZONES	ZONE-9	0
YARD-ZONES	ZONE-10	0
YARD-ZONES-1	ROAD-2	0
ROAD-1	WATER	0
ROAD-1	ZONE-1	0
ROAD-1	ZONE-2	0
ROAD-1	ZONE-3	0
ROAD-1	ZONE-4	0
ROAD-1	ZONE-5	0
ROAD-1	ZONE-6	0
ROAD-1	ZONE-7	0
ROAD-1	ZONE-8	0
ROAD-1	ZONE-9	0
ROAD-1	ZONE-10	0
ROAD-2	WATER	0
ROAD-2	ZONE-1	0

# JOB LAYOUT - WORK AREAS

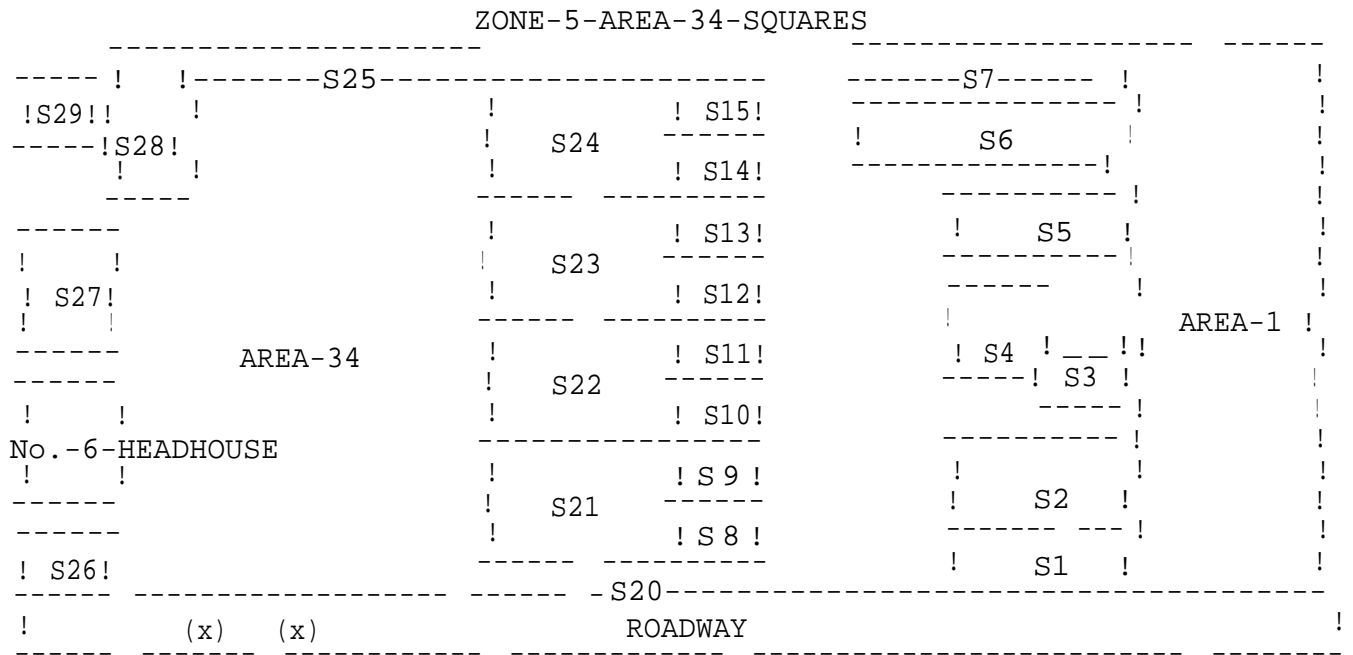
ROAD-2	ZONE-2	0
ROAD-2	ZONE-3	0
ROAD-2	ZONE-4	0
ROAD-2	ZONE-5	0
ROAD-2	ZONE-6	0
ROAD-2	ZONE-7	0
ROAD-2	ZONE-8	0
ROAD-2	ZONE-9	0
ROAD-2	ZONE-10	0
WATER	ZONE-1	0
WATER	ZONE-2	0
WATER	ZONE-3	0
WATER	ZONE-4	0
WATER	ZONE-5	0
WATER	ZONE-6	0
WATER	ZONE-7	0
WATER	ZONE-8	0
WATER	ZONE-9	0
WATER	ZONE-10	0
ZONE-1	ZONE-2	640
ZONE-1	ZONE-3	760
ZONE-1	ZONE-4	1190
ZONE-1	ZONE-5	1250
ZONE-1	ZONE-6	1 1 8 0
ZONE-1	ZONE-7	1640
ZONE-1	ZONE-8	1560
ZONE-1	ZONE-9	1880
ZONE-1	ZONE-10	2240
ZONE-2	ZONE-3	500
ZONE-2	ZONE-4	580
ZONE-2	ZONE-5	930
ZONE-2	ZONE-6	870
ZONE-2	ZONE-7	1340
ZONE-2	ZONE-8	1150
ZONE-2	ZONE-9	1540
ZONE-2	ZONE-10	1910
ZONE-3	ZONE-4	650
ZONE-3	ZONE-5	940
ZONE-3	ZONE-6	810
ZONE-3	ZONE-7	1290
ZONE-3	ZONE-8	1180
ZONE-3	ZONE-9	1570
ZONE-3	ZONE-10	1960
ZONE-4	ZONE-5	600
ZONE-4	ZONE-6	610
ZONE-4	ZONE-7	1250
ZONE-4	ZONE-8	1140



## JOB LAYOUT - WORK AREAS

ZONE-4	ZONE-9	1330
ZONE-4	ZONE-10	1730
ZONE-5	ZONE-6	650
ZONE-5	ZONE-7	1000
ZONE-5	ZONE-8	880
ZONE-5	ZONE-9	1080
ZONE-5	ZONE-10	1470
ZONE-6	ZONE-7	1030
ZONE-6	ZONE-8	910
ZONE-6	ZONE-9	1130
ZONE-6	ZONE-10	1480
ZONE-7	ZONE-8	470
ZONE-7	ZONE-9	940
ZONE-7	ZONE-10	1310
ZONE-8	ZONE-9	820
ZONE-8	ZONE-10	1190
ZONE-9	ZONE-10	810

# JOB LAYOUT - WORK AREAS



Name	Location		Body/Frag/PT
WORKPLACES:			
ZONE-5-AREA-34-SQUARES	35,21	0,0	
ROADWAY	0,0	71,2	
AREA-34	15,10	0,0	
AREA-1	60,2	10,18	
No.-6-HEADHOUSE	0,5	5,4	
S1	50,2	10,2	
S2	50,4	10,3	
S3	55,8	5,2	
S4	50,9	5,3	
S5	50,13	10,2	
S6	45,16	15,2	
S7	45,19	15,1	
S8	35,3	5,2	
S9	35,5	5,2	
S10	35,7	5,2	
S11	35,9	5,2	
S12	35,11	5,2	
S13	35,13	5,2	
S14	35,15	5,2	

# JOB LAYOUT - WORK AREAS

S15	35,17	5,2
S20	25,2	15,0
S21	25,3	10,4
S22	25,7	10,4
S23	25,11	10,4
S24	25,15	10,4
S25	10,19	15,1
S26	0,2	5,2
S27	0,10	5,4
S28	5,15	4,5
S29	0,17	4,2

## OBJECTS:

PALLETS	AREA-34	FRAG
BOLSTERS	AREA-34	FRAG
UNITS	AREA-34	FRAG

## EQUIPMENT:

FRK-E	ROADWAY	03T
FRK-L	ROADWAY	01T
FRK-S	ROADWAY	02T
SM-STRAD-E	ROADWAY	06T
SM-STRAD-L	ROADWAY	04T
SM-STRAD-S	ROADWAY	05T
LG-STRAD-E	ROADWAY	09T
LG-STRAD-L	ROADWAY	07T
LG-STRAD-S	ROADWAY	08T

## OPERATORS:

FORK-DRIVER	ROADWAY	10,1 B
STRADDLE-DRIVER	ROADWAY	15,1

From	To	Steps
-----	-----	-----
ZONE-5-AREA-34-SQUARES	ROADWAY	0
ZONE-5-AREA-34-SQUARES	AREA-34	0
ZONE-5-AREA-34-SQUARES	AREA-1	0
ZONE-5-AREA-34-SQUARES	NO.-6-HEADHOUSE	0
ZONE-5-AREA-34-SQUARES	S1	0
ZONE-3-AREA-34-SQUARES	S2	0
ZONE-5-AREA-34-SQUARES	S3	0
ZONE-5-AREA-34-SQUARES	S4	0
ZONE-5-AREA-34-SQUARES	S5	0
ZONE-5-AREA-34-SQUARES	S6	0
ZONE-5-AREA-34-SQUARES	S7	0

# JOB LAYOUT - WORK AREAS

ZONE-5-AREA-34-SQUARES	S8	0
ZONE-5-AREA-34-SQUARES	S9	0
ZONE-5-AREA-34-SQUARES	S10	0
ZONE-5-AREA-34-SQUARES	S11	0
ZONE-5-AREA-34-SQUARES	S12	0
ZONE-5-AREA-34-SQUARES	S13	0
ZONE-5-AREA-34-SQUARES	S14	0
ZONE-5-AREA-34-SQUARES	S15	0
ZONE-5-AREA-34-SQUARES	S20	0
ZONE-5-AREA-34-SQUARES	S21	0
ZONE-5-AREA-34-SQUARES	S22	0
ZONE-5-AREA-34-SQUARES	S23	0
ZONE-5-AREA-34-SQUARES	S24	0
ZONE-5-AREA-34-SQUARES	S25	0
ZONE-5-AREA-34-SQUARES	S26	0
ZONE-5-AREA-34-SQUARES	S27	0
ZONE-5-AREA-34-SQUARES	S28	0
ZONE-5-AREA-34-SQUARES	S29	0
ROADWAY	AREA-34	0
ROADWAY	AREA-1	0
ROADWAY	NO,-6-HEADHOUSE	0
ROADWAY	S1	0
ROADWAY	S2	0
ROADWAY	S3	0
ROADWAY	S4	0
ROADWAY	S5	0
ROADWAY	S6	0
ROADWAY	S7	0
ROADWAY	S8	0
ROADWAY	S9	0
ROADWAY	S10	0
ROADWAY	S11	0
ROADWAY	S12	0
ROADWAY	S13	0
ROADWAY	S14	0
ROADWAY	S15	0
ROADWAY	S20	0
ROADWAY	S21	0
ROADWAY	S22	0
ROADWAY	S23	0
ROADWAY	S24	0
ROADWAY	S25	0
ROADWAY	S26	0
ROADWAY	S27	0
ROADWAY	S28	0
ROADWAY	S29	0
AREA-34	AREA-1	0

# JOB LAYOUT - WORK AREAS

AREA-34	NO.-6-HEADHOUSE	0
AREA-34	S1	0
AREA-34	S2	0
AREA-34	S3	0
AREA-34	S4	0
AREA-34	S5	0
AREA-34	S6	0
AREA-34	S7	0
AREA-34	S8	0
AREA-34	S9	0
AREA-34	S10	0
AREA-34	S11	0
AREA-34	S12	0
AREA-34	S13	0
AREA-34	S14	0
AREA-34	S15	0
AREA-34	S20	0
AREA-34	S21	0
AREA-34	S22	0
AREA-34	S23	0
AREA-34	S24	0
AREA-34	S25	0
AREA-34	S26	0
AREA-34	S27	0
AREA-34	S28	0
AREA-34	S29	0
AREA-1	NO.-6-HEADHOUSE	0
AREA-1	S1	0
AREA-1	S2	0
AREA-1	S3	0
AREA-1	S4	0
AREA-1	S5	0
AREA-1	S6	0
AREA-1	S7	0
AREA-1	S8	0
AREA-1	S9	0
AREA-1	S10	0
AREA-1	S11	0
AREA-1	S12	0
AREA-1	S13	0
AREA-1	S14	0
AREA-1	S15	0
AREA-1	S20	0
AREA-1	S21	0
AREA-1	S22	0
AREA-1	S23	0
AREA-1	S24	0

# JOB LAYOUT - WORK AREAS

AREA-1	S25	0
AREA-1	S26	0
AREA-1	S27	0
AREA-1	S28	0
AREA-1	S29	0
NO.-6-HEADHOUSE	S1	0
NO.-6-HEADHOUSE	S2	0
N13.-6-HEADHOUSE	S3	0
NO.-6-HEADHOUSE	S4	0
NO.-6-HEADHOUSE	S5	0
NO.-6-HEADHOUSE	S6	0
NO.-6-HEADHOUSE	S7	0
NO.-6-HEADHOUSE	S8	0
NO.-6-HEADHOUSE	S9	0
NO.-6-HEADHOUSE	S10	0
NO.-6-HEADHOUSE	S11	0
NO.-6-HEADHOUSE	S12	0
NO.-6-HEADHOUSE	S13	0
NO.-6-HEADHOUSE	S14	0
NO.-6-HEADHOUSE	S15	0
NO.-6-HEADHOUSE	S20	0
NO.-6-HEADHOUSE	S21	0
NO.-6-HEADHOUSE	S22	0
NO.-6-HEADHOUSE	S23	0
NO.-6-HEADHOUSE	S24	0
NO.-6-HEADHOUSE	S25	0
NO.-6-HEADHOUSE	S26	0
NO.-6-HEADHOUSE	S27	0
NO.-6-HEADHOUSE	S28	0
NO.-6-HEADHOUSE	S29	0
S1	S2	80
S1	S3	148
S1	S4	155
S1	S5	195
S1	S6	215
S1	S7	245
S1	S8	85
S1	S9	110
S1	S10	135
S1	S11	160
S1	S12	185
S1	S13	210
S1	S14	235
S1	S15	260
S1	S20	80
S1	S21	156
S1	S22	200

JOB LAYOUT      WORK AREAS

S1	S23	250
S1	S24	300
S1	S25	345
S1	S26	195
S1	S27	340
S1	S28	430
S1	S29	450
S2	S3	70
S2	S4	85
S2	S3	170
S2	S6	185
S2	S7	220
S2	S8	70
S2	S9	70
S2	S10	95
S2	S11	120
S2	S12	145
S2	S13	170
S2	S14	185
S2	S15	220
S2	S20	115
S2	S21	90
S2	S22	140
S2	S23	185
S2	S24	235
S2	S25	280
S2	S26	175
S2	S27	305
S2	S28	395
S2	S29	415
S3	S4	45
S3	S5	70
S3	S6	100
S3	S7	135
S3	S8	130
S3	S9	105
S3	S10	80
S3	S11	80
S3	S12	105
S3	S13	130
S3	S14	155
S3	S15	180
S3	S20	185
S3	S21	165
S3	S22	115
S3	S23	145
S3	S24	195

# JOB LAYOUT      WORK AREAS

S3	S25	240
S3	S26	260
S3	S27	285
S3	S28	375
S3	S29	395
S4	S5	50
S4	S6	60
S4	S7	95
S4	S8	145
S4	S9	120
S4	S10	95
S4	S11	70
S4	S12	55
S4	S13	80
S4	S14	105
S4	S15	130
S4	S20	190
S4	S21	115
S4	S22	165
S4	S23	105
S4	S24	155
S4	S25	200
S4	S26	265
S4	S27	220
S4	S28	310
S4	S29	330
S5	S6	35
S5	S7	70
S5	S8	195
S5	S9	170
S5	S10	145
S5	S11	120
S5	S12	95
S5	S13	70
S5	S14	85
S5	S15	110
S5	S20	235
S5	S21	215
S5	S22	165
S5	S23	115
S5	S24	145
S5	S25	190
S5	S26	310
S5	S27	200
S5	S28	285
S5	S29	305
S6	S7	35



# JOB LAYOUT - WORK AREAS

S6	S8	210
S6	S9	185
S6	S10	160
S6	S11	135
S6	S12	110
S6	S13	85
S6	S14	60
S6	S15	75
S6	S20	250
S6	S21	245
S6	S22	195
S6	S23	145
S6	S24	95
S6	S25	140
S6	S26	325
S6	S27	180
S6	S28	250
S6	S29	270
S7	S8	240
S7	S9	215
S7	S10	190
S7	S11	165
S7	S12	140
S7	S13	115
S7	S14	90
S7	S15	65
S7	S20	285
S7	S21	270
S7	S22	220
S7	S23	170
S7	S24	120
S7	S25	105
S7	S26	355
S7	S27	210
S7	S28	220
S7	S29	240
S8	S9	25
S8	S10	50
S8	S11	75
S8	S12	100
S8	S13	125
S8	S14	150
S8	S15	175
S8	S20	40
S8	S21	45
S8	S22	95
S8	S23	145

# JOB LAYOUT      WORK AREAS

S8	S24	195
S8	S25	240
S8	S26	120
S8	S27	265
S8	S28	345
S8	S29	380
S9	S10	25
S9	S11	50
S9	S12	75
S9	S13	100
S9	S14	125
S9	S15	150
S9	S20	65
S9	S21	60
S9	S22	90
S9	S23	140
S9	S24	190
S9	S25	233
S9	S26	145
S9	S27	245
S9	S28	320
S9	S29	355
S10	S11	25
S10	S12	50
S10	S13	75
S10	S14	100
S10	S15	125
S10	S20	90
S10	S21	85
S10	S22	65
S10	S23	113
S10	S24	165
S10	S25	210
S10	S26	170
S10	S27	220
S10	S28	295
S10	S29	330
S11	S12	25
S11	S13	50
S11	S14	75
S11	S15	100
S11	S20	110
S11	S21	110
S11	S22	60
S11	S23	110
S11	S24	160
S11	S25	205

JOB LAYOUT      WORK AREAS

S11	S26	195
S11	S27	195
S11	S28	270
S11	S29	305
S12	S13	25
S12	S14	50
S12	S15	75
S12	S20	140
S12	S21	135
S12	S22	85
S12	S23	70
S12	S24	120
S12	S25	165
S12	S26	220
S12	S27	170
S12	S28	245
S12	S29	280
S13	S14	25
S13	S13	50
S13	S20	160
S13	S21	160
S13	S22	110
S13	S23	60
S13	S24	85
S13	S25	130
S13	S26	245
S13	S27	145
S13	S28	220
S13	S29	255
S14	S15	25
S14	S20	190
S14	S21	185
S14	S22	135
S14	S23	85
S14	S24	60
S14	S25	105
S14	S26	270
S14	S27	120
S14	S28	195
S14	S29	230
S15	S20	210
S15	S21	205
S15	S22	155
S15	S23	105
S15	S24	60
S15	S25	85
S15	S26	295

# JOB LAYOUT - WORK AREAS

S15	S27	145
S15	S28	170
S15	S29	205
S20	S21	45
S20	S22	95
S20	S23	145
S20	S24	195
S20	S25	240
S20	S26	120
S20	S27	265
S20	S28	340
S20	S29	370
S21	S22	50
S21	S23	100
S21	S24	150
S21	S25	195
S21	S26	115
S21	S27	225
S21	S28	290
S21	S29	330
S22	S23	50
S22	S24	100
S22	S25	145
S22	S26	165
S22	S27	175
S22	S28	240
S22	S29	280
S23	S24	50
S23	S25	95
S23	S26	215
S23	S27	125
S23	S28	190
S23	S29	230
S24	S25	45
S24	S26	265
S24	S27	100
S24	S28	140
S24	S29	180
S25	S26	310
S25	S27	145
S25	S28	95
S25	S29	135
S26	S27	120
S26	S28	270
S26	S29	250
S27	S28	115
S27	S29	110

JOB LAYOUT - WORK AREAS

S28	S29	20
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## JOB LAYOUT - WORK AREAS

ZONE-6-AREA-42-SQUARES

[illegible]

Name	Location		Rody/Frag/PT
WORKPLACES :			
ZONE-6-AREA-42-SQUARES	35,21	0,0	
AREA-42	0,0	71,20	
FAB-SHOP	55,5	16,15	
MOLD-STORAGE-1	56,3	15,2	
MOLD-STORAGE-2	55,18	16,2	
OFFICE	60,1	11,2	
SHAPE-TRAVO	5,8	5,5	
SHEAR	10,18	3,2	
FLAME-PLANER	40,11	5,5	
OPTICAL	50,10	5,2	
606-TRACK	12,0	0,10	
607-TRACK	22,0	0,10	
S1	68,6	3,2	
S2	68,10	3,2	
S3	68,15	3,2	
S4	64,0	0,0	
S5	56,1	3,2	
S6	52,3	3,2	
S7	55,5	5,3	

# JOB LAYOUT - WORK AREAS

S8	50,8	3,2
S9	20,0	4,4
S10	10,0	4,4
S11	40,17	16,2
S12	0,7	3,10
S13	3,18	4,2

## OBJECTS:

PALLETS	AREA-42	FRAG
BOLSTERS	AREA-42	FRAG

## EQUIPMENT:

FRK-E	AREA-42	03T
FRK-L	AREA-42	01T
FRK-S	AREA-42	02T
SM-STRAD-E	AREA-42	06T
SM-STRAD-L	AREA-42	04T
SM-STRAD-S	AREA-42	05T
LG-STRAD-E	AREA-42	09T
LG-STRAD-L	AREA-42	07T
LG-STRAD-S	AREA-42	08T

## OPERATORS:

FORK-DRIVER	AREA-42	30,1 B
STRADDLE-DRIVER	AREA-42	40,1

From	To	Steps
-----	-----	-----
ZONE-6-AREA-42-SQUARES	AREA-42	0
ZONE-6-AREA-42-SQUARES	FAB-SHOP	0
ZONE-6-AREA-42-SQUARES	MOLD-STORAGE-1	0
ZONE-6-AREA-42-SQUARES	MOLD-STORAGE-2	0
ZONE-6-AREA-42-SQUARES	OFFICE	0
ZONE-6-AREA-42-SQUARES	SHAPE-TRAVO	0
ZONE-6-AREA-42-SQUARES	SHEAR	0
ZONE-6-AREA-42-SQUARES	FLAKE-PLANER	0
ZONE-6-AREA-42-SQUARES	OPTICAL	0
ZONE-6-AREA-42-SQUARES	606-TRACK	0
ZONE-6-AREA-42-SQUARES	607-TRACK	0
ZONE-6-AREA-42-SQUARES	S1	0
ZONE-6-AREA-42-SQUARES	S2	0
ZONE-6-AREA-42-SQUARES	S3	0
ZONE-6-AREA-42-SQUARES	S4	0
ZONE-6-AREA-42-SQUARES	S5	0
ZONE-6-AREA-42-SQUARES	S6	0

# JOB LAYOUT - WORK AREAS

ZONE-6-AREA-42-SQUARES	S7	0
ZONE-6-AREA-42-SQUARES	S8	0
ZONE-6-AREA-42-SQUARES	S9	0
ZONE-6-AREA-42-SQUARES	S10	0
ZONE-6-AREA-42-SQUARES	S11	0
ZONE-6-AREA-42-SQUARES	S12	0
ZONE-6-AREA-42-SQUARES	S13	0
AREA-42	FAB-SHOP	0
AREA-42	MOLD-STORAGE-1	0
AREA-42	MOLD-STORAGE-2	0
AREA-42	OFFICE	0
AREA-42	SHAPE-TRAVO	0
ARE4-42	SHEAR	0
AREA-42	FLAME-PLANER	0
AREA-42	OPTICAL	0
AREA-42	606-TRACK	0
AREA-42	607-TRACK	0
AREA-42	S1	0
AREA-42	S2	0
AREA-42	S3	0
AREA-42	S4	0
AREA-42	S5	0
AREA-42	S6	0
AREA-42	S7	0
AREA-42	S8	0
AREA-42	S9	0
AREA-42	S10	0
AREA-42	S11	0
AREA-42	S12	0
AREA-42	S13	0
FAB-SHOP	MOLD-STORAGE-1	0
FAB-SHOP	MOLD-STORAGE-2	0
FAB-SHOP	OFFICE	0
FAB-SHOP	SHAPE-TRAVO	0
FAB-SHOP	SHEAR	0
FAB-SHOP	FLAME-PLANER	0
FAB-SHOP	OPTICAL	0
FAB-SHOP	606-TRACK	0
FAB-SHOP	607-TRACK	0
FAB-SHOP	S1	0
FAB-SHOP	S2	0
FAB-SHOP	S3	0
FAB-SHOP	S4	0
FAB-SHOP	S5	0
FAB-SHOP	S6	0
FAB-SHOP	S7	0
FAB-SHOP	S8	0



# JOB LAYOUT - WORK AREAS

FAB-SHOP	S9	0
FAB-SHOP	S10	0
FAB-SHOP	S11	0
FAB-SHOP	S12	0
FAB-SHOP	S13	0
MOLD-STORAGE-1	MOLD-STORAGE-2	0
MOLD-STORAGE-1	OFFICE	0
MOLD-STORAGE-1	SHAPE-TRAVO	0
MOLD-STORAGE-1	SHEAR	0
MOLD-STORAGE-1	FLAME-PLANER	0
MOLD-STORAGE-1	OPTICAL	0
MOLD-STORAGE-1	606-TRACK	0
MOLD-STORAGE-1	607-TRACK	0
MOLD-STORAGE-1	S1	0
MOLD-STORAGE-1	S2	0
MOLD-STORAGE-1	S3	0
MOLD-STORAGE-1	S4	0
MOLD-STORAGE-1	S5	0
MOLD-STORAGE-1	S6	0
MOLD-STORAGE-1	S7	0
MOLD-STORAGE-1	S8	0
MOLD-STORAGE-1	S9	0
MOLD-STORAGE-1	S10	0
MOLD-STORAGE-1	S11	0
MOLD-STORAGE-1	S12	0
MOLD-STORAGE-1	S13	0
MOLD-STORAGE-2	OFFICE	0
MOLD-STORAGE-2	SHAPE-TRAVO	0
MOLD-STORAGE-2	SHEAR	0
MOLD-STORAGE-2	FLAME-PLANER	0
MOLD-STORAGE-2	OPTICAL	0
MOLD-STORAGE-2	606-TRACK	0
MOLD-STORAGE-2	607-TRACK	0
MOLD-STORAGE-2	S1	0
MOLD-STORAGE-2	S2	0
MOLD-STORAGE-2	S3	0
MOLD-STORAGE-2	S4	0
MOLD-STORAGE-2	S5	0
MOLD-STORAGE-2	S6	0
MOLD-STORAGE-2	S7	0
MOLD-STORAGE-2	S8	0
MOLD-STORAGE-2	S9	0
MOLD-STORAGE-2	S10	0
MOLD-STORAGE-2	S11	0
MOLD-STORAGE-2	S12	0
MOLD-STORAGE-2	S13	0
OFFICE	SHAPE-TRAVO	0

# JOB LAYOUT - WORK AREAS

OFFICE	SHEAR	0
OFFICE	FLAME-PLANER	0
OFFICE	OPTICAL	0
OFFICE	606-TRACK	0
OFFICE	607-TRACK	0
OFFICE	S1	0
OFFICE	S2	0
OFFICE	S3	0
OFFICE	S4	0
OFFICE	S5	0
OFFICE	S6	0
OFFICE	<b>S7</b>	0
OFFICE	<b>S8</b>	0
OFFICE	S9	0
OFFICE	S10	0
OFFICE	S11	0
OFFICE	S12	0
OFFICE	S13	0
SHAPE-TRAVO	SHEAR	0
SHAPE-TRAVO	FLAME-PLANER	0
SHAPE-TRAVO	OPTICAL	0
SHAPE-TRAVO	606-TRACK	0
SHAPE-TRAVO	607-TRACK	0
SHAPE-TRAVO	S1	0
SHAPE-TRAVO	S2	0
SHAPE-TRAVO	S3	0
SHAPE-TRAVO	S4	0
SHAPE-TRAVO	S5	0
SHAPE-TRAVO	S6	0
SHAPE-TRAVO	S7	0
SHAPE-TRAVO	S8	0
SHAPE-TRAVO	S9	0
SHAPE-TRAVO	s 1 0	0
SHAPE-TRAVO	S11	0
SHAPE-TRAVO	S12	0
SHAPE-TRAVO	S13	0
SHEAR	FLAME-PLANER	0
SHEAR	OPTICAL	0
SHEAR	606-TRACK	0
SHEAR	607-TRACK	0
SHEAR	S1	0
SHEAR	S2	0
SHEAR	S3	0
SHEAR	S4	0
SHEAR	S5	0
SHEAR	S6	0
SHEAR	S7	0

# JOB LAYOUT - WORK AREAS

SHEAR	S8	0
SHEAR	S9	0
SHEAR	S10	0
SHEAR	S11	0
SHEAR	S12	0
SHEAR	S13	0
FLAME-PLANER	OPTICAL	0
FLAME-PLANER	606-TRACK	0
FLAME-PLANER	607-TRACK	0
FLAME-PLANER	S1	0
FLAME-PLANER	S2	0
FLAME-PLANER	S3	0
FLAME-PLANER	S4	0
FLAME-PLANER	S5	0
FLAME-PLANER	S6	0
FLAME-PLANER	S7	0
FLAME-PLANER	S8	0
FLAME-PLANER	S9	0
FLAME-PLANER	S10	0
FLAME-PLANER	S11	0
FLAME-PLANER	S12	0
FLAME-PLANER	S13	0
OPTICAL	606-TRACK	0
OPTICAL	607-TRACK	0
OPTICAL	S1	0
OPTICAL	S2	0
OPTICAL	S3	0
OPTICAL	S4	0
OPTICAL	Ss	0
OPTICAL	S6	0
OPTICAL	S7	0
OPTICAL	S8	0
OPTICAL	S9	0
OPTICAL	S10	0
OPTICAL	S11	0
OPTICAL	S12	0
OPTICAL	S13	0
606-TRACK	607-TRACK	0
606-TRACK	S1	0
606-TRACK	S2	0
606-TRACK	S3	0
606-TRACK	S4	0
606-TRACK	S5	0
606-TRACK	S6	0
606-TRACK	S7	0
606-TRACK	S8	0
606-TRACK	S9	0

# JOB LAYOUT      WORK AREAS

606-TRACK	S10	0
606-TRACK	S11	0
606-TRACK	S12	0
606-TRACK	S13	0
607-TRACK	S1	0
607-TRACK	S2	0
607-TRACK	S3	0
607-TRACK	S4	0
607-TRACK	S5	0
607-TRACK	S6	0
607-TRACK	S7	0
607-TRACK	S8	0
607-TRACK	S9	0
607-TRACK	S10	0
607-TRACK	S11	0
607-TRACK	S12	0
607-TRACK	S13	0
S1	S2	60
S1	S3	160
S1	S4	150
S1	S5	115
S1	S6	105
S1	S7	70
S1	S8	80
S1	S9	155
S1	S10	195
S1	S11	255
S1	S12	365
S1	S13	485
S2	S3	100
S2	S4	220
S2	S5	250
S2	S6	260
S2	S7	300
S2	S8	340
S2	S9	100
S2	S10	140
S2	S11	195
S2	S12	275
S2	S13	390
S3	S4	335
S3	S5	415
S3	S6	270
S3	S7	230
S3	S8	210
S3	S9	215
S3	S10	240

JOB LAYOUT      WORK AREAS

S3	S11	110
S3	S12	175
S3	S13	295
S4	S5	35
S4	S6	60
S4	S7	95
S4	S8	120
S4	S9	195
S4	S10	235
S4	S11	290
S4	S12	375
S4	S13	495
S5	S6	20
S5	S7	55
S5	S8	90
S5	S9	165
S5	S10	205
S5	S11	260
S5	S12	335
S5	S13	455
S6	S7	35
S6	S8	65
S6	S9	110
S6	S10	150
S6	S11	205
S6	S12	280
S6	S13	400
S7	S8	80
S7	S9	120
S7	S10	160
S7	S11	215
S7	S12	290
S7	S13	410
S8	S9	80
S8	S10	120
S8	S11	175
S8	S12	250
S8	S13	370
S9	S10	40
S9	S11	95
S9	S12	170
S9	S13	290
S10	S11	135
S10	S12	130
S10	S13	250
S11	S12	75
S11	S13	195

JOB LAYOUT - WORK AREAS

**S12**

S13

120

## JOB LAYOUT - WORK AREAS

ZONE-9

```

|                                     |                                     | | | | | | |
|                                     |                                     |
|                                     |                                     |
|                                     |                                     |
|-----| AREA-74 -----|                                     |
| COPPER-SHOP! | SHEET-METAL-SHOP | |                                     |
|-----|                                     |
|-----AREA-51-----|                                     |
|-----|                                     |
| BRKT! | | ROADWAY! |                                     |
| SHOP!ELECT-SHOP! | | |                                     |
|-----|                                     |
|-----AREA-70-----| | |                                     |
|-----| | (X) | |-----|
| | | | | | | |-----|
| | | | | (X) | |-----|
| !POLICE! |-----AREA-84-----| | |
| |-----| WAREHOUSE | | |
|-----|

```

Name	Location	Body/Frag/PT
WORKPLACES:		
ZONE-9	35,21	0,0
ROADWAY	35,0	8,20
POLICE	2,1	7,3
WAREHOUSE	10,0	23,2
BRKT	19,9	0,0
SHOP	17,7	5,3
ELECT-SHOP	22,7	11,3
PICKLER	49,7	0,0
BLDG	45,5	8,3
INSP	55,6	5,4
BLDG.	58,7	0,0
GARAGE	65,5	6,2
COPPER-SHOP	0,12	12,3
SHEET-METAL-SHOP	17,12	17,3
RIGGING	47,18	8,4
DEPT	49,16	0,0
OUTSIDE-MACH	59,15	12,4
SHOP.	63,16	0,0
AREA-51	0,11	13,0

# JOB LAYOUT - WORK AREAS

AREA-60	58,14	13,0
AREA-65	46,14	10,0
AREA-70	10,6	25,0
AREA-74	0,10	35,10
AREA-84	0,0	34,5
AREA-87	55,5	16,8
AREA-91	45,4	10,0

## OBJECTS:

PALLETS	ZONE-9	FRAG
BOLSTERS	ZONE-9	FRAG

## EQUIPMENT:

FRK-E	ROADWAY	03T
FRK-L	ROADWAY	01T
FRK-S	ROADWAY	02T
SM-STRAD-E	ROADWAY	06T
SM-STRAD-L	ROADWAY	04T
SM-STRAD-S	ROADWAY	05T
LG-STRAD-E	ROADWAY	09T
LG-STRAD-L	ROADWAY	07T
LG-STRAD-S	ROADWAY	08T

## OPERATORS:

FORK-DRIVER	ROADWAY	<b>40,3</b>	<b>B</b>
STRADDLE-DRIVER	ROADWAY	<b>40,5</b>	

From	To	Steps
	-----	-----
Z O N E - 9	ROADWAY	0
ZONE-9	POLICE	0
ZONE-9	WAREHOUSE	0
ZONE-9	BRKT	0
ZONE-9	SHOP	0
ZONE-9	ELECT-SHOP	0
ZONE-9	PICKLER	0
ZONE-9	BLDG	0
ZONE-9	INSP	0
ZONE-9	BLDG.	0
ZONE-9	GARAGE	0
ZONE-9	COPPER-SHOP	0
ZONE-9	SHEET-METAL-SHOP	0
ZONE-9	RIGGING	0
ZONE-9	DEPT	0
ZONE-9	OUTSIDE-MACH	0



# JOB LAYOUT - WORK AREAS

ZONE-9	SHOP.	0
ZONE-9	AREA-51	0
ZONE-9	AREA-60	0
ZONE-9	AREA-65	0
ZONE-9	AREA-70	0
ZONE-9	AREA-74	0
ZONE-9	AREA-84	0
ZONE-9	AREA-87	0
ZONE-9	AREA-91	0
ROADWAY	POLICE	0
ROADWAY	WAREHOUSE	0
ROADWAY	BRKT	0
ROADWAY	SHOP	0
ROADWAY	ELECT-SHOP	0
ROADWAY	PICKLER	0
ROADWAY	BLDG	0
ROADWAY	INSP	0
ROADWAY	BLDG.	0
ROADWAY	GARAGE	0
ROADWAY	COPPER-SHOP	0
ROADWAY	SHEET-METAL-SHOP	0
ROADWAY	RIGGING	0
ROADWAY	DEPT	0
ROADWAY	OUTSIDE-MACH	0
ROADWAY	SHOP.	0
ROADWAY	AREA-51	0
ROADWAY	AREA-60	0
ROADWAY	AREA-65	0
ROADWAY	AREA-70	0
ROADWAY	AREA-74	0
ROADWAY	AREA-84	0
ROADWAY	AREA-87	0
ROADWAY	AREA-91	0
POLICE	WAREHOUSE	0
POLICE	BRKT	0
POLICE	SHOP	0
POLICE	ELECT-SHOP	0
POLICE	PICKLER	0
POLICE	BLDG	0
POLICE	INSP	0
POLICE	BLDG.	0
POLICE	GARAGE	0
POLICE	COPPER-SHOP	0
POLICE	SHEET-METAL-SHOP	0
POLICE	RIGGING	0
POLICE	DEPT	0
POLICE	OUTSIDE-MACH	0

# JOB LAYOUT - WORK AREAS

POLICE	SHOP.	0
POLICE	AREA-51	0
POLICE	AREA-60	0
POLICE	AREA-65	0
POLICE	AREA-70	0
POLICE	AREA-74	0
POLICE	AREA-84	0
POLICE	AREA-87	0
POLICE	AREA-91	0
WAREHOUSE	BRKT	0
WAREHOUSE	SHOP	0
WAREHOUSE	ELECT-SHOP	0
WAREHOUSE	PICKLER	0
WAREHOUSE	BLDG	0
WAREHOUSE	INSP	0
WAREHOUSE	BLDG.	0
WAREHOUSE	GARAGE	0
WAREHOUSE	COPPER-SHOP	0
WAREHOUSE	SHEET-METAL-SHOP	0
WAREHOUSE	RIGGING	0
WAREHOUSE	DEPT	0
WAREHOUSE	OUTSIDE-MACH	0
WAREHOUSE	SHOP.	0
WAREHOUSE	AREA-51	0
WAREHOUSE	AREA-60	0
WAREHOUSE	AREA-65	0
WAREHOUSE	AREA-70	0
WAREHOUSE	AREA-74	0
WAREHOUSE	AREA-84	0
WAREHOUSE	AREA-87	0
WAREHOUSE	AREA-91	0
BRKT	SHOP	0
BRKT	ELECT-SHOP	0
BRKT	PICKLER	0
BRKT	BLDG	0
BRKT	INSP	0
BRKT	BLDG.	0
BRKT	GARAGE	0
BRKT	COPPER-SHOP	0
BRKT	SHEET-METAL-SHOP	0
BRKT	RIGGING	0
BRKT	DEPT	0
BRKT	OUTSIDE-MACH	0
BRKT	SHOP.	0
BRKT	AREA-51	0
BRKT	AREA-60	0
BRKT	AREA-65	0

# JOB LAYOUT - WORK AREAS

BRKT	AREA-70	0
BRKT	AREA-74	0
BRKT	AREA-84	0
BRKT	AREA-87	0
BRKT	AREA-91	0
SHOP	ELECT-SHOP	0
SHOP	PICKLER	0
SHOP	BLDG	0
SHOP	INSP	0
SHOP	BLDG.	0
SHOP	GARAGE	0
SHOP	COPPER-SHOP	0
SHOP	SHEET-METAL-SHOP	0
SHOP	RIGGING	0
SHOP	DEPT	0
SHOP	OUTSIDE-MACH	0
SHOP	SHOP.	0
SHOP	AREA-51	0
SHOP	AREA-60	0
SHOP	AREA-65	0
SHOP	AREA-70	0
SHOP	AREA-74	0
SHOP	AREA-84	0
SHOP	AREA-87	0
SHOP	AREA-91	0
ELECT-SHOP	PICKLER	0
ELECT-SHOP	BLDG	0
ELECT-SHOP	INSP	0
ELECT-SHOP	BLDG.	0
ELECT-SHOP	GARAGE	0
ELECT-SHOP	COPPER-SHOP	0
ELECT-SHOP	SHEET-METAL-SHOP	0
ELECT-SHOP	RIGGING	0
ELECT-SHOP	DEPT	0
ELECT-SHOP	OUTSIDE-MACH	0
ELECT-SHOP	SHOP.	0
ELECT-SHOP	AREA-31	0
ELECT-SHOP	AREA-60	0
ELECT-SHOP	AREA-65	0
ELECT-SHOP	AREA-70	0
ELECT-SHOP	AREA-74	0
ELECT-SHOP	AREA-84	0
ELECT-SHOP	AREA-87	0
ELECT-SHOP	AREA-91	0
PICKLER	BLDG	0
PICKLER	INSP	0
PICKLER	BLDG.	0

# JOB LAYOUT - WORK AREAS

PICKLER	GARAGE	0
PICKLER	COPPER-SHOP	0
PICKLER	SHEET-METAL-SHOP	0
PICKLER	RIGGING	0
PICKLER	DEPT	0
PICKLER	OUTSILIE-HACH	0
PICKLER	SHOP.	0
PICKLER	AREA-51	0
PICKLER	AREA-60	0
PICKLER	AREA-65	0
PICKLER	AREA-70	0
PICKLER	AREA-74	0
PICKLER	AREA-84	0
PICKLER	AREA-87	0
PICKLER	AREA-91	0
BLDG	INSP	0
BLDG	BLDG.	0
BLDG	GARAGE	0
BLDG	COPPER-SHOP	0
BLDG	SHEET-METAL-SHOP	0
BLDG	RIGGING	0
BLDG	DEPT	0
BLDG	OUTSIDE-MACH	0
BLDG	SHOP.	0
BLDG	AREA-51	0
BLDG	AREA-60	0
BLDG	AREA-65	0
BLDG	AREA-70	0
BLDG	AREA-74	0
BLDG	AREA-84	0
BLDG	AREA-87	0
BLDG	AREA-91	0
INSP	BLDG.	0
INSP	GARAGE	0
INSP	COPPER-SHOP	0
INSP	SHEET-METAL-SHOP	0
INSP	RIGGING	0
INSP	DEPT	0
INSP	OUTSIDE-MACH	0
INSP	SHOP.	0
INSP	AREA-51	0
INSP	AREA-60	0
INSP	AREA-65	0
INSP	AREA-70	0
INSP	AREA-74	0
INSP	AREA-84	0
INSP	AREA-87	0

# JOB LAYOUT - WORK AREAS

INSP	AREA-91	0
BLDG.	GARAGE	0
BLDG.	COPPER-SHOP	0
BLDG.	SHEET-METAL-SHOP	0
BLDG.	RIGGING	0
BLDG.	DEPT	0
BLDG.	OUTSIDE-MACH	0
BLDG.	SHOP.	0
BLDG.	AREA-51	0
BLDG.	AREA-60	0
BLDG.	AREA-65	0
BLDG.	AREA-70	0
BLDG.	AREA-74	0
BLDG.	AREA-84	0
BLDG.	AREA-87	0
BLDG,	AREA-91	0
GARAGE	COPPER-SHOP	0
GARAGE	SHEET-METAL-SHOP	0
GARAGE	RIGGING	0
GARAGE	DEPT	0
GARAGE	OUTSIDE-MACH	0
GARAGE	SHOP.	0
GARAGE	AREA-51	0
GARAGE	AREA-60	0
GARAGE	AREA-65	0
GARAGE	AREA-70	0
GARAGE	AREA-74	0
GARAGE	AREA-84	0
GARAGE	AREA-87	0
GARAGE	AREA-91	0
COPPER-SHOP	SHEET-METAL-SHOP	0
COPPER-SHOP	RIGGING	0
COPPER-SHOP	DEPT	0
COPPER-SHOP	OUTSIDE-MACH	0
COPPER-SHOP	SHOP.	0
COPPER-SHOP	AREA-51	0
COPPER-SHOP	AREA-60	0
COPPER-SHOP	AREA-65	0
COPPER-SHOP	AREA-70	0
COPPER-SHOP	AREA-74	0
COPPER-SHOP	AREA-84	0
COPPER-SHOP	AREA-87	0
COPPER-SHOP	AREA-91	0
SHEET-METAL-SHOP	RIGGING	0
SHEET-METAL-SHOP	DEPT	0
SHEET-METAL-SHOP	OUTSIDE-MACH	0
SHEET-METAL-SHOP	SHOP.	0

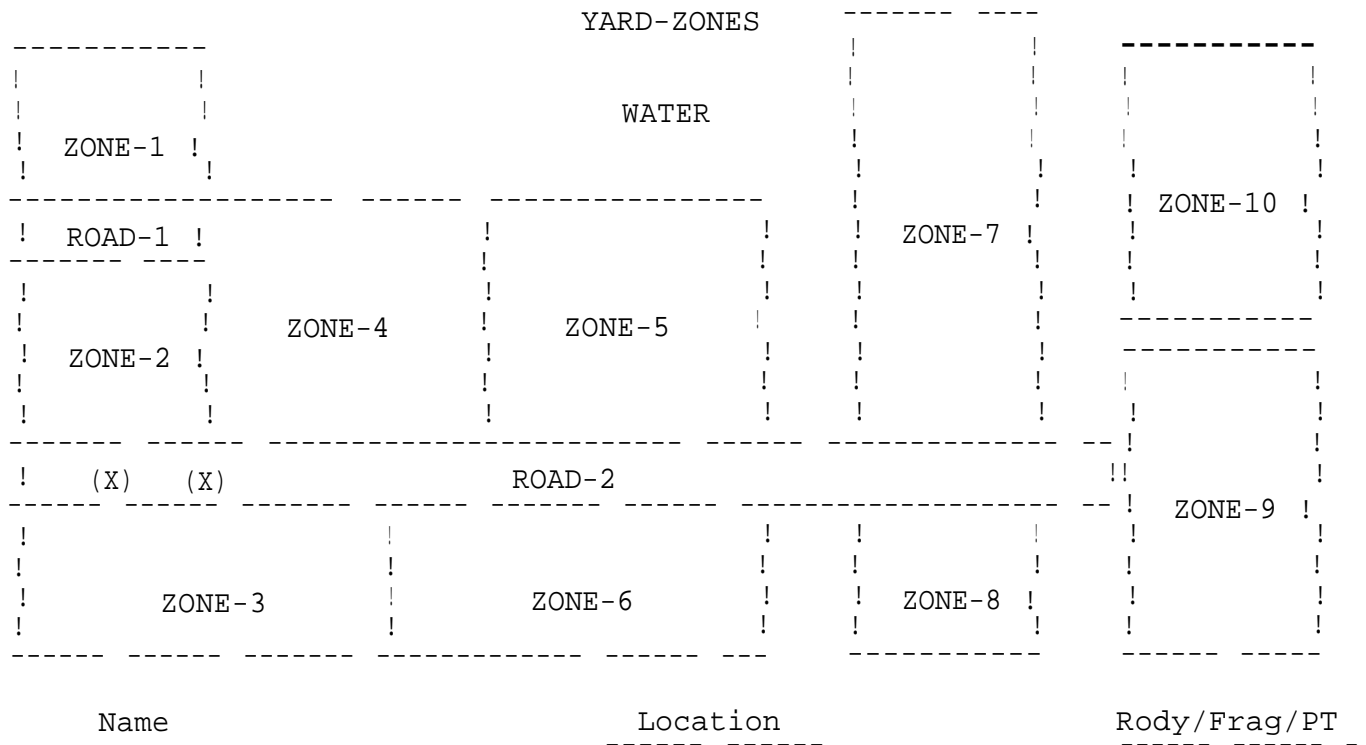
# JOB LAYOUT - WORK AREAS

SHEET-METAL-SHOP	AREA-51	0
SHEET-METAL-SHOP	AREA-60	0
SHEET-METAL-SHOP	AREA-65	0
SHEET-METAL-SHOP	AREA-70	0
SHEET-METAL-SHOP	AREA-74	0
SHEET-METAL-SHOP	AREA-84	0
SHEET-METAL-SHOP	AREA-87	0
SHEET-METAL-SHOP	AREA-91	0
RIGGING	DEPT	0
RIGGING	OUTSIDE-MACH	0
RIGGING	SHOP.	0
RIGGING	AREA-51	0
RIGGING	AREA-60	0
RIGGING	AREA-63	0
RIGGING	AREA-70	0
RIGGING	AREA-74	0
RIGGING	AREA-84	0
RIGGING	AREA-87	0
RIGGING	AREA-91	0
DEPT	OUTSIDE-MACH	0
DEPT	SHOP.	0
DEPT	AREA-51	0
DEPT	AREA-60	0
DEPT	AREA-65	0
DEPT	AREA-70	0
DEPT	AREA-74	0
DEPT	AREA-84	0
DEPT	AREA-87	0
DEPT	AREA-91	0
OUTSIDE-MACH	SHOP.	0
OUTSIDE-MACH	AREA-51	0
OUTSIDE-HACH	AREA-60	0
OUTSIDE-MACH	AREA-65	0
OUTSIDE-MACH	AREA-70	0
OUTSIDE-HACH	AREA-74	0
OUTSIDE-MACH	AREA-84	0
OUTSIDE-MACH	AREA-87	0
OUTSIDE-MACH	AREA-91	0
SHOP.	AREA-51	0
SHOP.	AREA-60	0
SHOP.	AREA-65	0
SHOP.	AREA-70	0
SHOP.	AREA-74	0
SHOP.	AREA-84	0
SHOP.	AREA-87	0
SHOP.	AREA-91	0
AREA-51	AREA-60	385

# JOB LAYOUT - WORK AREAS

AREA-31	AREA-65	350
AREA-51	AREA-70	110
AREA-51	AREA-74	165
AREA-51	AREA-84	165
AREA-51	AREA-87	350
AREA-51	AREA-91	285
AREA-60	AREA-65	155
AREA-60	AREA-70	305
AREA-60	AREA-74	210
AREA-60	AREA-84	343
AREA-60	AREA-87	265
AREA-60	AREA-91	235
AREA-65	AREA-70	290
AREA-65	AREA-74	190
AREA-65	AREA-84	320
AREA-65	AREA-87	240
AREA-65	AREA-91	210
AREA-70	AREA-74	100
AREA-70	AREA-84	45
AREA-70	AREA-87	140
AREA-70	AREA-91	130
AREA-74	AREA-84	135
AREA-74	AREA-87	190
AREA-74	AREA-91	180
AREA-84	AREA-87	185
AREA-84	AREA-91	155
AREA-87	AREA-91	80

# JOB LAYOUT - WORK AREAS



## WORKPLACES:

YARD-ZONES	35,21	0,0
ROAD-1	0,13	10,2
ROAD-2	0,5	59,2
WATER	35,18	0,0
ZONE-1	0,15	10,5
ZONE-2	0,7	10,6
ZONE-3	0,0	20,5
ZONE-4	10,7	15,8
ZONE-5	25,7	15,8
ZONE-6	20,0	20,5
ZONE-7	45,7	10,14
ZONE-8	45,0	10,5
ZONE-9	60,0	10,10
ZONE-10	60,11	10,9

## OBJECTS:

PALLETS	YARD-ZONES	FRAG
BOLSTERS	YARD-ZONES	FRAG
UNITS	YARD-ZONES	FRAG



# JOB LAYOUT - WORK AREAS

## EQUIPMENT:

FRK-E	YARD-ZONES	03T
FRK-L	YARD-ZONES	01T
FRK-S	YARD-ZONES	02T
SM-STRAD-E	YARD-ZONES	06T
SM-STRAD-L	YARD-ZONES	04T
SM-STRAD-S	YARD-ZONES	05T
LG-STRAD-E	YARD-ZONES	09T
LG-STRAD-L	YARD-ZONES	07T
LG-STRAD-S	YARD-ZONES	08T

## OPERATORS:

FORK-DRIVER	ROAD-2	<b>5,6</b>
STRADDLE-DRIVER	ROAD-2	<b>10,6 B</b>

From	To	Steps
-----	-----	-----
YARD-ZONES	ROAD-1	0
YARD-ZONES	ROAD-2	0
YARD-ZONES	WATER	0
YARD-ZONES	ZONE-1	0
YARD-ZONES	ZONE-2	0
YARD-ZONES	ZONE-3	0
YARD-ZONES	ZONE-4	0
YARD-ZONES	ZONE-5	0
YARD-ZONES	ZONE-6	0
YARD-ZONES	ZONE-7	0
YARD-ZONES	ZONE-8	0
YARD-ZONES	ZONE-9	0
YARD-ZONES	ZONE-10	0
ROAD-1	ROAD-2	0
ROAD-1	WATER	0
ROAD-1	ZONE-1	0
ROAD-1	ZONE-2	0
ROAD-1	ZONE-3	0
ROAD-1	ZONE-4	0
ROAD-1	ZONE-5	0
ROAD-1	ZONE-6	0
ROAD-1	ZONE-7	0
ROAD-1	ZONE-8	0
ROAD-1	ZONE-9	0
ROAD-1	ZONE-10	0
ROAD-2	WATER	0
ROAD-2	ZONE-1	0

# JOB LAYOUT - WORK AREAS

ROAD-2	ZONE-2	0
ROAD-2	ZONE-3	0
ROAD-2	ZONE-4	0
ROAD-2	ZONE-5	0
ROAD-2	ZONE-6	0
ROAD-2	ZONE-7	0
ROAD-2	ZONE-8	0
ROAD-2	ZONE-9	0
ROAD-2	ZONE-10	0
WATER	ZONE-1	0
WATER	ZONE-2	0
WATER	ZONE-3	0
WATER	ZONE-4	0
WATER	ZONE-5	0
WATER	ZONE-6	0
WATER	ZONE-7	0
WATER	ZONE-8	0
WATER	ZONE - 9	0
WATER	ZONE-10	0
ZONE-1	ZONE-2	640
ZONE-1	ZONE-3	760
ZONE-1	ZONE-4	1190
ZONE-1	ZONE-5	1250
ZONE-1	ZONE-6	1180
ZONE-1	ZONE-7	1640
ZONE-1	ZONE-8	1560
ZONE-1	ZONE-9	1880
ZONE-1	ZONE-10	2240
ZONE-2	ZONE-3	500
ZONE-2	ZONE-4	580
ZONE-2	ZONE-5	930
ZONE-2	ZONE-6	870
ZONE-2	ZONE-7	1340
ZONE-2	ZONE-8	1150
ZONE-2	ZONE-9	2540
ZONE-2	ZONE-10	1910
ZONE-3	ZONE-4	650
ZONE-3	ZONE-5	940
ZONE-3	ZONE-6	810
ZONE-3	ZONE-7	1290
ZONE-3	ZONE-8	1180
ZONE-3	ZONE-9	1570
ZONE-3	ZONE-10	1960
ZONE-4	ZONE-5	600
ZONE-4	ZONE-6	610
ZONE-4	ZONE-7	1250
ZONE-4	ZONE-8	1140

# JOB LAYOUT - WORK AREAS

ZONE-4	ZONE-9	1330
ZONE-4	ZONE-10	1730
ZONE-5	ZONE-6	650
ZONE-5	ZONE-7	1000
ZONE-5	ZONE-8	880
ZONE-5	ZONE-9	1080
ZONE-5	ZONE-10	1470
ZONE-6	ZONE-7	1030
ZONE-6	ZONE-8	910
ZONE-6	ZONE-9	1130
ZONE-6	ZONE-10	1480
ZONE-7	ZONE-8	470
ZONE-7	ZONE-9	940
ZONE-7	ZONE-10	1310
ZONE-8	ZONE-9	820
ZONE-8	ZONE-10	1190
ZONE-9	ZONE-10	810

## JOB LAYOUT - WORK AREAS

ZONE-6-AREA-42-SQUARES

[illegible]

Name

Location

Body/Frag/PT

WORKPLACES:

ZONE-6-AREA-42-SQUARES	35,21	0,0
AREA-42	0,0	71,20
FAB-SHOP	55,5	16,15
MOLD-STORAGE-1	56,3	15,2
MOLD-STORAGE-2	55,18	16,2
OFFICE	60,1	11,2
SHAPE-TRAVO	5,8	5,5
SHEAR	10,18	3,2
FLAME-PLANER	40,11	5,5
OPTICAL	50,10	5,2
606-TRACK	12,0	0,10
607-TRACK	22,0	0,10
S1	68,6	3,2
S2	68,10	3,2
S3	68,15	3,2
S4	64,0	0,0
S5	56,1	3,2
S6	52,3	3,2
S7	55,5	5,3

# JOB LAYOUT - WORK AREAS

S8	50,8	3,2
S9	20,0	4,4
S10	10,0	4,4
S11	40,17	16,2
S12	0,7	3,10
S13	3,18	4,2

## OBJECTS:

PALLETS	AREA-42	FRAG
BOLSTERS	AREA-42	FRAG

## EQUIPMENT:

FRK-E	AREA-42	03T
FRK-L	AREA-42	01T
FRK-S	AREA-42	02T
SM-STRAD-E	AREA-42	06T
SM-STRAD-L	AREA-42	04T
SM-STRAD-S	AREA-42	05T
LG-STRAD-E	AREA-42	09T
LG-STRAD-L	AREA-42	07T
LG-STRAD-S	AREA-42	08T

## OPERATORS:

FORK-DRIVER	AREA-42	30,1 B
STRADDLE-DRIVER	AREA-42	40,1

From	To	Steps
-----	-----	-----
ZONE-6-AREA-42-SQUARES	AREA-42	0
ZONE-6-AREA-42-SQUARES	FAB-SHOP	0
ZONE-6-AREA-42-SQUARES	MOLD-STORAGE-1	0
ZONE-6-AREA-42-SQUARES	MOLD-STORAGE-2	0
ZONE-6-AREA-42-SQUARES	OFFICE	0
ZONE-6-AREA-42-SQUARES	SHAPE-TRAVO	0
ZONE-6-AREA-42-SQUARES	SHEAR	0
ZONE-6-AREA-42-SQUARES	FLAME-PLANER	0
ZONE-6-AREA-42-SQUARES	OPTICAL	0
ZONE-6-AREA-42-SQUARES	606-TRACK	0
ZONE-6-AREA-42-SQUARES	607-TRACK	0
ZONE-6-AREA-42-SQUARES	S1	0
ZONE-6-AREA-42-SQUARES	S2	0
ZONE-6-AREA-42-SQUARES	S3	0
ZONE-6-AREA-42-SQUARES	S4	0
ZONE-6-AREA-42-SQUARES	S5	0
ZONE-6-AREA-42-SQUARES	S6	0

# JOB LAYOUT - WORK AREAS

ZONE-6-AREA-42-SQUARES	S7	0
ZONE-6-AREA-42-SQUARES	S8	0
ZONE-6-AREA-42-SQUARES	S9	0
ZONE-6-AREA-42-SQUARES	S10	0
ZONE-6-AREA-42-SQUARES	S11	0
ZONE-6-AREA-42-SQUARES	S12	0
ZONE-6-AREA-42-SQUARES	S13	0
ZONE-6-AREA-42-SQUARES	FAB-SHOP	0
AREA-42	MOLD-STORAGE-1	0
AREA-42	MOLD-STORAGE-2	0
AREA-42	OFFICE	0
AREA-42	SHAPE-TRAVO	0
AREA-42	SHEAR	0
AREA-42	FLAME-PLANER	0
AREA-42	OPTICAL	0
AREA-42	606-TRACK	0
AREA-42	607-TRACK	0
AREA-42	S1	0
AREA-42	S2	0
AREA-42	S3	0
AREA-42	S4	0
AREA-42	S5	0
AREA-42	S6	0
AREA-42	S7	0
AREA-42	S8	0
AREA-42	S9	0
AREA-42	S10	0
AREA-42	S11	0
AREA-42	S12	0
AREA-42	S13	0
AREA-42	MOLD-STORAGE-1	0
FAB-SHOP	MOLD-STORAGE-2	0
FAB-SHOP	OFFICE	0
FAB-SHOP	SHAPE-TRAVO	0
FAB-SHOP	SHEAR	0
FAB-SHOP	FLAME-PLANER	0
FAB-SHOP	OPTICAL	0
FAB-SHOP	606-TRACK	0
FAB-SHOP	607-TRACK	0
FAB-SHOP	S1	0
FAB-SHOP	S2	0
FAB-SHOP	S3	0
FAB-SHOP	S4	0
FAB-SHOP	S5	0
FAB-SHOP	S6	0
FAB-SHOP	S7	0
FAB-SHOP	S8	0

# JOB LAYOUT - WORK AREAS

FAB-SHOP	S9	0
FAB-SHOP	S10	0
FAB-SHOP	S11	0
FAB-SHOP	S12	0
FAB-SHOP	S13	0
MOLD-STORAGE-1	MOLD-STORAGE-2	0
MOLD-STORAGE-1	OFFICE	0
MOLD-STORAGE-1	SHAPE-TRAVO	0
MOLD-STORAGE-1	SHEAR	0
MOLD-STORAGE-1	FLAME-PLANER	0
MOLD-STORAGE-1	OPTICAL	0
MOLD-STORAGE-1	606-TRACK	0
MOLD-STORAGE-1	607-TRACK	0
MOLD-STORAGE-1	S1	0
MOLD-STORAGE-1	S2	0
MOLD-STORAGE-1	S3	0
MOLD-STORAGE-1	S4	0
MOLD-STORAGE-1	S5	0
MOLD-STORAGE-1	S6	0
MOLD-STORAGE-1	S7	0
MOLD-STORAGE-1	S8	0
MOLD-STORAGE-1	S9	0
MOLD-STORAGE-1	S10	0
MOLD-STORAGE-1	S11	0
MOLD-STORAGE-1	S12	0
MOLD-STORAGE-1	S13	0
MOLD-STORAGE-2	OFFICE	0
MOLD-STORAGE-2	SHAPE-TRAVO	0
MOLD-STORAGE-2	SHEAR	0
MOLD-STORAGE-2	FLAME-PLANER	0
MOLD-STORAGE-2	OPTICAL	0
MOLD-STORAGE-2	606-TRACK	0
MOLD-STORAGE-2	607-TRACK	0
MOLD-STORAGE-2	S1	0
MOLD-STORAGE-2	S2	0
MOLD-STORAGE-2	S3	0
MOLD-STORAGE-2	S4	0
MOLD-STORAGE-2	S5	0
MOLD-STORAGE-2	S6	0
MOLD-STORAGE-2	S7	0
MOLD-STORAGE-2	S8	0
MOLD-STORAGE-2	S9	0
MOLD-STORAGE-2	S10	0
MOLD-STORAGE-2	S11	0
MOLD-STORAGE-2	S12	0
MOLD-STORAGE-2	S13	0
OFFICE	SHAPE-TRAVO	0

# JOB LAYOUT - WORK AREAS

OFFICE	SHEAR	0
OFFICE	FLAME-PLANER	0
OFFICE	OPTICAL	0
OFFICE	606-TRACK	0
OFFICE	607-TRACK	0
OFFICE	S1	0
OFFICE	S2	0
OFFICE	S3	0
OFFICE	S4	0
OFFICE	S5	0
OFFICE	S6	0
OFFICE	S7	0
OFFICE	S8	0
OFFICE	S9	0
OFFICE	S10	0
OFFICE	S11	0
OFFICE	S12	0
OFFICE	S13	0
SHAPE-TRAVO	SHEAR	0
SHAPE-TRAVO	FLAME-PLANER	0
SHAPE-TRAVO	OPTICAL	0
SHAPE-TRAVO	606-TRACK	0
SHAPE-TRAVO	607-TRACK	0
SHAPE-TRAVO	S1	0
SHAPE-TRAVO	S2	0
SHAPE-TRAVO	S3	0
SHAPE-TRAVO	S4	0
SHAPE-TRAVO	S5	0
SHAPE-TRAVO	S6	0
SHAPE-TRAVO	S7	0
SHAPE-TRAVO	S8	0
SHAPE-TRAVO	S9	0
SHAPE-TRAVO	S10	0
SHAPE-TRAVO	S11	0
SHAPE-TRAVO	S12	0
SHAPE-TRAVO	S13	0
SHEAR	FLAME-PLANER	0
SHEAR	OPTICAL	0
SHEAR	606-TRACK	0
SHEAR	607-TRACK	0
SHEAR	S1	0
SHEAR	S2	0
SHEAR	S3	0
SHEAR	S4	0
SHEAR	S5	0
SHEAR	S6	0
SHEAR	S7	0



# JOB LAYOUT - WORK AREAS

SHEAR	S8	0
SHEAR	S9	0
SHEAR	S10	0
SHEAR	S11	0
SHEAR	S12	0
SHEAR	S13	0
FLAME-PLANER	OPTICAL	0
FLAME-PLANER	606-TRACK	0
FLAME-PLANER	607-TRACK	0
FLAME-PLANER	S1	0
FLAME-PLANER	S2	0
FLAME-PLANER	S3	0
FLAME-PLANER	S4	0
FLAME-PLANER	S5	0
FLAME-PLANER	S6	0
FLAME-PLANER	S7	0
FLAME-PLANER	S8	0
FLAME-PLANER	S9	0
FLAME-PLANER	S10o	0
FLAME-PLANER	S11	0
FLAME-PLANER	S12	0
FLAME-PLANER	S13	0
OPTICAL	606-TRACK	0
OPTICAL	607-TRACK	0
OPTICAL	S1	0
OPTICAL	S2	0
OPTICAL	S3	0
OPTICAL	S4	0
OPTICAL	S5	0
OPTICAL	S6	0
OPTICAL	S7	0
OPTICAL	S8	0
OPTICAL	S9	0
OPTICAL	S10	0
OPTICAL	S11	0
OPTICAL	S12	0
OPTICAL	S13	0
606-TRACK	607-TRACK	0
606-TRACK	S1	0
606-TRACK	S2	0
606-TRACK	S3	0
606-TRACK	S4	0
606-TRACK	S5	0
606-TRACK	S6	0
606-TRACK	S7	0
606-TRACK	S8	0
606-TRACK	S9	0

JOB LAYOUT      **WORK AREAS**

S3	S11	110
S3	S12	175
S3	S13	295
S4	S5	35
S4	S6	60
S4	S7	95
S4	S8	120
S4	S9	195
S4	S10	235
S4	S11	290
S4	S12	375
S4	S13	495
Ss	S6	20
S5	S7	55
S5	S8	90
S5	S9	165
S5	S10	20s
S5	S11	260
S5	S12	335
S5	S13	455
S6	S7	35
S6	S8	65
S6	S9	110
S6	S10	150
S6	S11	205
S6	S12	280
S6	S13	400
S7	S8	80
S7	S9	120
S7	S10	160
S7	S11	215
S7	S12	290
S7	S13	410
S8	S9	80
S8	S10	120
S8	S11	175
S8	S12	250
S8	S13	370
S9	S10	40
S9	S11	95
S9	S12	170
S9	S13	290
S10	S11	135
S10	S12	130
S10	S13	250
S11	S12	75
S11	S13	195

JOB LAYOUT - WORK AREAS

S12

S13

120

## JOB LAYOUT - WORK AREAS

**ZONE-9**

```

! ! ! ! !
! ! ! ! !
! ! RIGGING! ! OUTSIDE-MACH
! ! DEPT ! ! SHOP.
! !
----- AREA-74 -----
! ! ! ! !
! ! ! ! !
! COPPER-SHOP! ! SHEET-METAL-SHOP!!
! ! ! ! !
----- AREA-51 ----
! ! ! ! !
----- ROADWAY!
! ! ! ! !
! BRKT! ! !
! SHOP!ELECT-SHOP! !
! ! ! ! !
----- AREA-70 -----
! ! ! ! !
(X) !
! ! ! ! !
(X) !
! ! POLICE! ---AREA-84---
! ! ! ! !
! ! WAREHOUSE !!!

```

Name

Location

Body/Frag/PT

**WORKPLACES :**

ZONE-9	35,21	0,0
ROADWAY	35,0	8,20
POLICE	2,1	7,3
WAREHOUSE	10,0	23,2
BRKT	19,9	0,0
<b>SHOP</b>	17,7	5,3
ELECT-SHOP	22,7	11,3
PICKLER	49,7	0,0
BLDG	45,5	8,3
INSP	55,6	3,4
BLDG.	58,7	0,0
GARAGE	65,5	6,2
COPPER-SHOP	0,12	12,3
SHEET-METAL-SHOP	17,12	17,3
RIGGING	47,15	8,4
DEPT	49,16	0,0
OUTSIDE-MACH	59,15	12,4
SHOP.	63,16	0,0
AREA-51	0,11	13,0

# **JOB LAYOUT - WORK AREAS**

AREA-60	58,14	13,0
AREA-65	46,14	10,0
AREA-70	10,6	25,0
AREA-74	0,10	35,10
AREA-84	0,0	34,5
AREA-87	55,5	16,8
AREA-91	45,4	10,0

## **OBJECTS:**

PALLETS	ZONE-9	<b>FRAG</b>
BOLSTERS	ZONE-9	<b>FRAG</b>

## **EQUIPMENT:**

FRK-E	ROADWAY	03T
FRK-L	<b>ROADWAY</b>	01T
FRK-S	<b>ROADWAY</b>	02T
SM-STRAD-E	<b>ROADWAY</b>	06T
SM-STRAD-L	<b>ROADWAY</b>	04T
SM-STRAD-S	<b>ROADWAY</b>	05T
LG-STRAD-E	<b>ROADWAY</b>	09T
LG-STRAD-L	<b>ROADWAY</b>	07T
LG-STRAD-S	<b>ROADWAY</b>	08T

## **OPERATORS:**

FORK-DRIVER	ROADWAY	40,3 B
STRADDLE-DRIVER	ROADWAY	40,5

<b>From</b> -----	<b>To</b> -----	<b>Steps</b> -----
ZONE-9	ROADWAY	0
ZONE-9	POLICE	0
ZONE-9	WAREHOUSE	0
ZONE-9	BRKT	0
ZONE-9	SHOP	0
ZONE-9	ELECT-SHOP	0
ZONE-9	PICKLER	0
ZONE-9	BLDG	0
ZONE-9	INSP	0
ZONE-9	BLDG.	0
ZONE-9	GARAGE	0
ZONE-9	COPPER-SHOP	0
ZONE-9	SHEET-METAL-SHOP	0
ZONE-9	RIGGING	0
ZONE-9	DEPT	0
ZONE-9	OUTSIDE-MACH	0

# OB LAYOUT - WORK AREAS

ZONE-9	SHOP.	0
ZONE-9	AREA-51	0
ZONE-9	AREA-60	0
ZONE-9	AREA-65	0
ZONE-9	AREA-70	0
ZONE-9	AREA-74	0
ZONE-9	AREA-84	0
ZONE-9	AREA-87	0
ZONE-9	AREA-91	0
ROADWAY	POLICE	0
ROADWAY	WAREHOUSE	0
ROADWAY	BRKT	0
ROADWAY	SHOP	0
ROADWAY	ELECT-SHOP	0
ROADWAY	PICKLER	0
ROADWAY	BLDG.	0
ROADWAY	INSP	0
ROADWAY	BLDG.	0
ROADWAY	GARAGE	0
ROADWAY	COPPER-SHOP	0
ROADWAY	SHEET-METAL-SHOP	0
ROADWAY	RIGGING	0
ROADWAY	DEPT	0
ROADWAY	OUTSIDE-MACH	0
ROADWAY	SHOP.	0
ROADWAY	AREA-51	0
ROADWAY	AREA-60	0
ROADWAY	AREA-65	0
ROADWAY	AREA-70	0
ROADWAY	AREA-74	0
ROADWAY	AREA-84	0
ROADWAY	AREA-87	0
ROADWAY	AREA-91	0
ROADWAY	WAREHOUSE	0
POLICE	BRKT	0
POLICE	SHOP	0
POLICE	ELECT-SHOP	0
POLICE	PICKLER	0
POLICE	BLDG	0
POLICE	INSP	0
POLICE	BLDG.	0
POLICE	GARAGE	0
POLICE	COPPER-SHOP	0
POLICE	SHEET-METAL-SHOP	0
POLICE	RIGGING	0
POLICE	DEPT	0
POLICE	OUTSIDE-MACH	0

# JOB LAYOUT - WORK AREAS

POLICE	SHOP.	0
POLICE	AREA-51	0
POLICE	AREA-60	0
POLICE	AREA-65	0
POLICE	AREA-70	0
POLICE	AREA-74	0
POLICE	AREA-84	0
POLICE	AREA-87	0
POLICE	AREA-91	0
WAREHOUSE	BRKT	0
WAREHOUSE	SHOP	0
WAREHOUSE	ELECT-SHOP	0
WAREHOUSE	PICKLER	0
WAREHOUSE	BLDG	0
WAREHOUSE	INSP	0
WAREHOUSE	BLDG.	0
WAREHOUSE	GARAGE	0
WAREHOUSE	COPPER-SHOP	0
WAREHOUSE	SHEET-METAL-SHOP	0
WAREHOUSE	RIGGING	0
WAREHOUSE	DEPT	0
WAREHOUSE	OUTSIDE-MACH	0
WAREHOUSE	SHOP.	0
WAREHOUSE	AREA-51	0
WAREHOUSE	AREA-60	0
WAREHOUSE	AREA-65	0
WAREHOUSE	AREA-70	0
WAREHOUSE	AREA-74	0
WAREHOUSE	AREA-84	0
WAREHOUSE	AREA-87	0
WAREHOUSE	AREA-91	0
BRKT	SHOP	0
BRKT	ELECT-SHOP	0
BRKT.	PICKLER	0
BRKT	BLDG	0
BRKT	INSP	0
BRKT	BLDG.	0
BRKT	GARAGE	0
BRKT	COPPER-SHOP	0
BRKT	SHEET-METAL-SHOP	0
BRKT	RIGGING	0
BRKT	DEPT	0
BRKT	OUTSIDE-MACH	0
BRKT	SHOP.	0
BRKT	AREA-51	0
BRKT	AREA-60	0
BRKT	AREA-65	0

# JOB LAYOUT - WORK AREAS

BRKT	AREA-70	0
BRKT	AREA-74	0
BRKT	AREA-84	0
BRKT	AREA-87	0
BRKT	AREA-91	0
SHOP	ELECT-SHOP	0
SHOP	PICKLER	0
SHOP	BLDG	0
SHOP	INSP	0
SHOP	BLDG.	0
SHOP	GARAGE	0
SHOP	COPPER-SHOP	0
SHOP	SHEET-METAL-SHOP	0
SHOP	RIGGING	0
SHOP	DEPT	0
SHOP	OUTSIDE-MACH	0
SHOP	SHOP.	0
SHOP	AREA-51	0
SHOP	AREA-60	0
SHOP	AREA-65	0
SHOP	AREA-70	0
SHOP	AREA-74	0
SHOP	AREA-84	0
SHOP	AREA-87	0
SHOP	AREA-91	0
ELECT-SHOP	PICKLER	0
ELECT-SHOP	BLDG	0
ELECT-SHOP	INSP	0
ELECT-SHOP	BLDG.	0
ELECT-SHOP	GARAGE	0
ELECT-SHOP	COPPER-SHOP	0
ELECT-SHOP	SHEET-METAL-SHOP	0
ELECT-SHOP	RIGGING	0
ELECT-SHOP	DEP'T	0
ELECT-SHOP	OUTSIDE-MACH	0
ELECT-SHOP	SHOP.	0
ELECT-SHOP	AREA-51	0
ELECT-SHOP	AREA-60	0
ELECT-SHOP	AREA-65	0
ELECT-SHOP	AREA-70	0
ELECT-SHOP	AREA-74	0
ELECT-SHOP	AREA-84	0
ELECT-SHOP	AREA-87	0
ELECT-SHOP	AREA-91	0
PICKLER		0
PICKLER		0
PICKLER		0



# JOB LAYOUT - WORK AREAS

PICKLER	GARAGE	0
PICKLER	COPPER-SHOP	0
PICKLER	SHEET-METAL-SHOP	0
PICKLER	RIGGING	0
PICKLER	DEPT	0
PICKLER	OUTSIDE-MACH	0
PICKLER	SHOP .	0
PICKLER	A R E A - 5 1	0
PICKLER	AREA-60	0
PICKLER	AREA-65	0
PICKLER	AREA-70	0
PICKLER	AREA-74	0
PICKLER	AREA-84	0
PICKLER	AREA-87	0
PICKLER	AREA-91	0
RLDG	INSP	0
BLDG	BLDG .	0
BLDG	GARAGE	0
BLDG	COPPER-SHOP	0
BLDG	SHEET-METAL-SHOP	0
BLDG	RIGGING	0
BLDG	DEPT	0
BLDG	OUTSIDE-MACH	0
BLDG	SHOP .	0
BLDG	AREA-51	0
BLDG	AREA-60	0
BLDG	AREA-65	0
BLDG	AREA-70	0
BLDG	AREA-74	0
BLDG	AREA-84	0
ELDG	AREA-87	0
BLDG	AREA-91	0
BLDG	BLDG .	0
INSP	GARAGE	0
INSP	COPPER-SHOP	0
INSP	SHEET-METAL-SHOP	0
INSP	RIGGING	0
INSP	DEPT	0
INSP	OUTSIDE-MACH	0
INSP	SHOP.	0
INSP	AREA-51	0
INSP	A R E A - 6 0	0
INSP	AREA-65	0
INSP	AREA-70	0
INSP	AREA-74	0
INSP	AREA-84	0
INSP	AREA-87	0

# JOB LAYOUT - WORK AREAS

INSP	AREA-91	0
BLDG.	GARAGE	0
BLDG.	COPPER-SHOP	0
BLDG.	SHEET-METAL-SHOP	0
BLDG.	RIGGING	0
BLDG.	DEPT	0
BLDG.	OUTSIDE-MACH	0
BLDG.	SHOP.	0
BLDG.	AREA-51	0
BLDG.	AREA-60	0
BLDG.	AREA-65	0
BLDG.	AREA-70	0
BLDG.	AREA-74	0
BLDG.	AREA-84	0
BLDG.	AREA-87	0
BLDG.,	AREA-91	0
GARAGE	COPPER-SHOP	0
GARAGE	SHEET-HETAL-SHOP	0
GARAGE	RIGGING	0
GARAGE	DEPT	0
GARAGE	OUTSIDE-MACH	0
GARAGE	SHOP.	0
GARAGE	AREA-51	0
GARAGE	AREA-60	0
GARAGE	AREA-65	0
GARAGE	AREA-70	0
GARAGE	AREA-74	0
GARAGE	AREA-84	0
GARAGE	AREA-87	0
GARAGE	AREA-91	0
COPPER-SHOP	SHEET-METAL-SHOP	0
COPPER-SHOP	RIGGING	0
COPPER-SHOP	UEPT	0
COPPER-SHOP	OUTSIIE-MACH	0
COPPER-SHOFI	SHOP.	0
COPPER-SHOP	AREA-51	0
COPPER-SHOP	AREA-60	0
COPPER-SHOP	AREA-65	0
COPPER-SHOP	AREA-70	0
COPPER-SHOP	AREA-74	0
COPPER-SHOP	AREA-84	0
COPPER-SHOP	AREA-87	0
COPPER-SHOP	AREA-91	0
SHEET-METAL-SHOP	RIGGING	0
SHEET-METAL-SHOP	DEPT	0
SHEET-METAL-SHOP	OUTSIDE-MACH	0
SHEET-METAL-SHOP	SHOP.	0

# JOB LAYOUT - WORK AREAS

SHEET-METAL-SHOP	AREA-51	0
SHEET-METAL-SHOP	AREA-60	0
SHEET-METAL-SHOP	AREA-65	0
SHEET-METAL-SHOP	AREA-70	0
SHEET-METAL-SHOP	AREA-74	0
SHEET-METAL-SHOP	AREA-84	0
SHEET-METAL-SHOP	AREA-87	0
SHEET-METAL-SHOP	AREA-91	0
RIGGING	DEPT	0
RIGGING	OUTSIDE-MACH	0
RIGGING	SHOP .	0
RIGGING	AREA-51	0
RIGGING	AREA-60	0
RIGGING	AREA-65	0
RIGGING	AREA-70	0
RIGGING	AREA-74	0
RIGGING	AREA-84	0
RIGGING	AREA-87	0
RIGGING	AREA-91	0
DEPT	OUTSIDE-MACH	0
DEPT	SHOP .	0
DEPT	AREA-51	0
DEPT	AREA-60	0
DEPT	AREA-65	0
DEPT	AREA-70	0
DEPT	AREA-74	0
DEPT	AREA-84	0
DEPT	AREA-87	0
DEPT	AREA-91	0
OUTSIDE-MACH	SHOP .	0
OUTSIDE-MACH	AREA-51	0
OUTSIDE-MACH	AREA-60	0
OUTSIDE-MACH	AREA-65	0
OUTSIDE-MACH	AREA-70	0
OUTSIDE-MACH	AREA-74	0
OUTSIDE-MACH	AREA-84	0
OUTSIDE-MACH	AREA-87	0
OUTSIDE-MACH	AREA-91	0
SHOP .	AREA-51	0
SHOP .	AREA-( 50	0
SHOP .	AREA-65	0
SHOP .	AREA-70	0
SHOP .	AREA-74	0
SHOP .	AREA-84	0
SHOP .	AREA-87	0
SHOP .	AREA-91	0
AREA-51	AREA-60	385

# JOB LAYOUT - WORK AREAS

AREA-51	AREA-65	350
AREA-51	AREA-70	110
AREA-51	AREA-74	165
AREA-51	AREA-84	165
AREA-51	AREA-87	350
AREA-51	AREA-91	285
AREA-60	AREA-65	155
AREA-60	AREA-70	305
AREA-60	AREA-74	210
AREA-60	AREA-84	345
AREA-60	AREA-87	265
AREA-60	AREA-91	235
AREA-65	AREA-70	290
AREA-65	AREA-74	190
AREA-65	AREA-84	320
AREA-65	AREA-87	240
AREA-65	AREA-91	210
AREA-70	AREA-74	100
AREA-70	AREA-84	45
AREA-70	AREA-87	140
AREA-70	AREA-91	130
AREA-74	AREA-84	135
AREA-74	AREA-87	190
AREA-74	AREA-91	180
AREA-84	AREA-87	185
AREA-84	AREA-91	155
AREA-87	AREA-91	80

SECTION 3  
MANUAL METHODS

1116, TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-1

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-I USING SM-STRAD-E TO ZONE-2

1117+ TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-1

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-1 USING SM-STRAD-E TO ZONE-6

1118. TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENTS OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-1

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-1 USING SM-STRAD-E TO ZONE-8

## MANUAL METHODS

1119. TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER REGINS AT ZONE-2

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-2 USING SM-STRAD-E TO ZONE-8

1120. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRASDDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-3 USING SM-STRAD-E TO ZONE-5

1121, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRAZiIILE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-3 USING SM-STRAD-E TO ZONE-6

## MANUAL METHODS

### 1122. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-3 USING SM-STRAD-E TO ZONE-8

### 1123, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-5 USING SM-STRAD-E TO ZONE-6

### 1124. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-5 USING SM-STRAD-E TO ZONE-7

MANUAL METHODS

1156. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-5 USING SM-STRAD-E TO ZONE-8

1126. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SHALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-5 USING SM-STRAD-E TO ZONE-9

1127. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-6 USING SM-STRAD-E TO ZONE-8



MANUAL METHODS

1128. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-6 USING SM-STRAD-E TO ZONE-9

1129. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-7

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-7 USING SH-STRAD-E TO ZONE-9

1130. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-8 USING SM-STRAD-E TO ZONE-9

MANUAL METHOD

1131. TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-8 USING SM-STRAD-E TO ZONE-1

1132. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S24

1 TRANSPORT PALLET ( EMPTY ) FROM S24 USING SM-STRAD-E TO S25

1133. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S3

1 TRANSPORT PALLET ( EMPTY ) FROM S3 USING SM-STRAD-E TO S11

MANUAL METHODS

1134. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

X REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S3

1 TRANSPORT PALLET ( EMPTY ) FROM S3 USING SM-STRALL-E TO S10

1135. TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S10

1 TRANSPORT PALLET ( EMPTY ) FROM S10 USING SM-STRAD-E TO S11

1136. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-84

1 TRANSPORT PALLET ( EMPTY ) FROM AREA-84 USING SM-STRAD-E TO AREA-87

MANUAL METHODS

1137. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-74

1 TRANSPORT PALLET ( EMPTY ) FROM AREA-74 USING SM-STRAD-E TO AREA-

1138, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA:74

1 TRANSPORT PALLET ( EMPTY ) FROM AREA-74 USING SM-STRAD-E TO AREA-

1139. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-70

1 TRANSPORT PALLET ( EMPTY ) FROM AREA-70 USING SM-STRAD-E TO AREA-

## MANUAL METHODS

847. TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-1

1 TRANSPORT PALLET RAISE FROM ZONE-1 USING SM-STRAD-L TO ZONE-9 LOWER

859. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING SM-STRAD-L TO ZONE-6 LOWER

870. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE} AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING SM-STRAD-L TO ZONE-6 LOWER

## MANUAL METHODS

872. TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-S

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING SM-STRAD-L TO ZONE-8 LOW

873. TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT (3FG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING SM-STRAD-L TO ZONE-9 LOW

876. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET RAISE FROM ZONE-6 USING SM-STRAD-L TO ZONE-8 LOW

MANUAL METHODS

884, TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-9

1 TRANSPORT PALLET RAISE FROM ZONE-9 USING SM-STRAD-L TO ZONE-10 LOWER

899. TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIUER BEGINS AT ZONE-2

1 TRANSPORT PALLET RAISE FROM ZONE-2 USING SM-STRAD-S TO ZONE-8 LOWER

900. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOUE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-2

1 TRANSPORT PALLET RAISE FROM ZONE-2 USING SM-STRAD-S TO ZONE-9 LOWER

MANUAL METHODS

903. TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 19-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A SECURE LOADED  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING SM-STRAD-S TO ZONE-5 LOW

907. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIFIYAR  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 19-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A SECURE LOADED  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING SM-STRAD-S TO ZONE-9 LOW

916, TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 19-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A SECURE LOADED  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING SM-STRAD-S TO ZONE-7 LOW



## MANUAL METHODS

917. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSEIL TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING SM-STRAD-S TO ZONE-8 LOWER

920, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET RAISE FROM ZONE-6 USING SM-STRADS TO ZONE-7 LOWER

925. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-7

1 TRANSPORT PALLET RAISE FROM ZONE-7 USING SM-STRAD-S TO ZONE-9 LOWER

## MANUAL METHODS

927. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET RAISE FROM ZONE-8 USING SM-STRAD-S TO ZONE-9 LOW

929. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-9

1 TRANSPORT PALLET RAISE FROM ZONE-9 USING SM-STRAD-S TO ZONE-10 LO

1073. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S3

1 TRANSPORT PALLET RAISE FROM S3 USING SM-STRAD-L TO S10 LOWER

MANUAL METHODS

1082. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-70

1 TRANSPORT PALLET RAISE FROM AREA-70 USING SM-STRAD-L TO AREA-74  
LOWER

1083. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-70

1 TRANSPORT PALLET RAISE FROM AREA-70 USING SM-STRAD-E TO AREA-84  
LOWER

1084. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-74

1 TRANSPORT PALLET RAISE FROM AREA-74 USING SM-STRAD-S TO AREA-84  
LOWER

SECTION 4  
STANDARD TIME CALCULATION

4.1 TITLESHEETS

TRANSPORT PALLET ON (SM) STRADDLE-CARRIER AT ANY SHIPYARD TR

Titlesheet Organization List  
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- 1116. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1117. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1118. TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TITLE
- 1119. TRANSPORT PALLET ON (SMALL) STRATDDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1120. TRANSPORT PALLET ON (SHALL) STRATDDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1121. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHTPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1122. TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
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REPRESENTS ELAPSED TIME
- 1123. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1124. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1156. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD

STANDARD TIME CALCULATION

TRANSPORTATION  
REPRESENTS ELAPSED TIME

- 1126. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1127. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
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REPRESENTS ELAPSED TIME
- 1128. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
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REPRESENTS ELAPSED TIME
- 1129. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
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REPRESENTS ELAPSED TIME
- 1130. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
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- 1131. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
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- 1132. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARDS  
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REPRESENTS ELAPSED TIME
- 1133. TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
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REPRESENTS ELAPSED TIME
- 1134. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
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REPRESENTS ELAPSED TIME
- 1135. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1136. TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME

STANDARD TIME CALCULATION

1137. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1138. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1139. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
847. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
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REPRESENTS ELAPSED TIME
859. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
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870. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
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872. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
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873. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
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REPRESENTS ELAPSED TIME
876. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
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REPRESENTS ELAPSED TIME
884. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
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REPRESENTS ELAPSED TIME
899. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
900. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME

STANDARD TIME CALCULATION

903. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
907. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
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916. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
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917. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
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920. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
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925. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
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927. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
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929. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
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REPRESENTS ELAPSED TIME
1073. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1082. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1083. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1084. TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

STANDARD TIME CALCULATION

REPRESENTS ELAPSED TIME



## STANDARD TIME CALCULATION

### 4.2 HOW TO CALCULATE TIME STANDARDS

#### M O S T OPERATION TIME CALCULATION

DETAIL/UNIT/PART	X	REV. LTR/DATE	X
PROCESS/OPER CODE	OPERATE	STANDARD CODE	X
PART NAME	SMALL STRADDLE CARRIER		
SHIP CLASS	x	HULL	x
COST CLASS/JOB #	X	TRADE	TRANSPORTATION
GROUP (UNIT/ZONE)	X	WORK AREA	SHIPYARD
SUB-GROUP	x	WORK ZONE	x
SUB-SUB-GROUP	X	WORK CENTER	X
CREW/MACHINE	1 DRIVER	ASSET/MACHINE	X
ITEM	x	SUB-ITEM	x
GEN. DRAWING	x	WORK ORDER	X
DET. DRAWING	x	SHEET	1
WORK PACKAGE	x	APPLICATOR	PP
OPER, DESCRIPTION	OPERATE SHALL STRADDLE CARRIER ON A TYPICAL DAY		
	7:30 AM TO 12:00 NOON		
DATE	25-JUL-83	ISSUE #	1

Step	Method Instruction	Freq
1	TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (E( 1136) MPTY)  * REPRESENTS MOVEMENT OF AN EMPTY - * ..SMALL-STRADDLE CARRIER * 9-84-1 TO 9-87-5 TO GAS PUMP * FILL GAS TANK	

## STANDARD TIME CALCULATION

- TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1137)  
MPY)
- \* REPRESENTS MOVEMENT OF AN EMPTY
  - \* ...SHALL STRADDLE CARRIER
  - \* 9-87-5 TO 9-74-10 TO SHEET METAL SHOP
- 3 TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (L( 873)  
00SE )
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
  - \* ...SMALL STRADDLE CARRIER
  - \* 9-74-10 TO 5-34-11 TO 34 AREA
  - \* SKIDS - EMPTY
- 4 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1156)  
MPY)
- \* REPRESENTS MOVEMENT OF AN EMPTY
  - \* ...SMALL STRADDLE CARRIER
  - \* 5-34-11 TO 8-3-4 TO SUPT. BLDG.
  - \* PICK UP LIFT LIST
- 5 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1122)  
MPY )
- \* REPRESENTS MOVEMENT OF AN EMPTY
  - \* ...SMALL STRADDLE CARRIER
  - \* 8-3-4 TO 3-2-3 TO SHAPE BLASTER
- 4 TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (L( 859 )  
00SE )
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
  - \* ...SMALL STRADDLE CARRIER
  - \* 3-2-3 To 6-42-12 To FAB SHOP
  - \* SKIDS - ANGLES
- 7 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1121)  
MPY )
- \* REPRESENTS MOVEHENT OF AN EMPTY
  - \* ...SMALL STRADDLE CARRIER
  - \* 6-42-12 TO 3-2-3 TO SHAPE BLASTER
- 8 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (L( 859 )  
00SE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
  - \* ...SMALL STRADDLE CARRIER
  - \* 3-2-3 To 6-42-12 TO FAB SHOP
  - \* SKIDS - ANGLES
- 9 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1117)

STANDARD TIME CALCULATION

MPTY )

- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 6-42-12 TO 1-2-4 TO BASIN - NORTH

10 TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (L( 847)  
OOSE)

- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 1-2-4 TO 9-84-5 TO WAREHOUSE
- \* SKIDS - LADDERS

11 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1136)  
MPTY)

- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 9-84-5 TO 9-87-1 TO GARAGE
- \* MINOR REPAIRS

12 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1130)  
MPTY)

- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 9-87-1 TO 8-3-4 TO SUPT. BLDG.
- \* PICK UP LIFT LIST

13 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1127)  
MPTY)

- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 8-3-4 TO 6-42-10 TO FAB SHOP
- \* CAN'T LOCATE LIFT

14 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1123)  
MPTY)

- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 6-42-10 TO 5-34-25 TO 34 AREA

15 TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (L( 870)  
OOSE)

- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 5-34-25 TO 6-42-3 TO FAB SHOP
- \* SKIDS - ANGLES

16 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1128)

STANDARD TIME CALCULATION

- MPTY)
- \* REPRESENTS MOVEMENT OF AN EMPTY
  - \* ...SMALL STRADDLE CARRIER
  - \* 6-42-3 TO 9-84-4 TO WAREHOUSE
- 17 TRANSPORT PALLET ON (SHALL) STRADDLE CARRIER (S( 1083)  
E C U R E )
- \* REPRESENTS MOVEMENT OF A SECURE LOADED
  - \* ...SMALL STRADDLE CARRIER
  - \* 9-84-4 TO 9-70-6 TO ELECTRIC SHOP
  - \* SKIDS - ANGLE
- 18 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1126)  
MPTY )
- \* REPRESENTS MOVEMENT OF AN EMPTY
  - \* ...SHALL STRADDLE CARRIER
  - \* 9-70-6 TO 5-34-23 TO 34 AREA
- 19 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (L( 870)  
00SE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
  - \* ...SMALL STRADDLE CARRIER
  - \* 5-34-25 TO 6-42-3 TO FAB SHOP
  - \* SKIDS - ANGLES
- 20 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1123)  
MPTY)
- \* REPRESENTS MOVEMENT OF AN EMPTY
  - \* ...SMALL STRADDLE CARRIER
  - \* 6-42-3 TO 5-34-23 TO 34 AREA
- 21 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (L( 870 )  
00SE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
  - \* ...SMALL STRADDLE CARRIER
  - \* 5-34-25 TO 6-42-3 TO FAR SHOP
  - \* SKIDS - PLATES
- 22 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1133)  
MPTY )
- \* REPRESENTS MOVEMENT OF A EMPTY
  - \* ...SMALL STRADDLE CARRIER
  - \* 6-42-3 TO 6-42-11
- 23 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (L( 870)  
00SE)

# STANDARD TIME CALCULATION

- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 6-42-11 TO 5-34-25 TO 34 AREA
- \* SKIDS - PLATES
- 24 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1132)  
MPTY )
- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 5-34-25 TO 5-34-24
- 25 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (L( 870)  
00SE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 5-34-24 TO 6-42-3 TO FAB SHOP
- \* SKIDS - PLATES
- 26 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1123)  
MPTY)
- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 6-42-3 TO 5-34-25 TO 34 AREA
- 27 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (L( 870)  
00SE )
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 5-34-25 TO 6-42-3 TO FAB SHOP
- \* SKIDS - PLATES
- 28 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1123)  
MPTY)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 6-42-3 TO 5-34-24 TO 34 AREA
- 29 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (1( 872)  
00SE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 5-34-24 TO 8-58-9 TO BOILER SHOP
- \* SKIDS - PLATES
- 30 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1130)  
MPTY )
- \* REPRESENTS MOVEMENT OF AN EMPTY

STANDARD TIME CALCULATION

- \* ...SMALL STRADDLE CARRIER
- \* 8-58-9 TO 9-74-10 TO SHEET METAL SHOP
- 31 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (L( 873)  
00SE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 9-74-10 TO 5-34-8 TO 34 AREA
- \* SKIDS - VENTS
- 32 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1123)  
MPTY)
- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* S-34-8 TO 6-42-10 TO FAB SHOP
- 33 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (L{ 1073)  
00SE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 6-42-10 TO 6-42-3
- \* SKIDS - T-BARS
- 34 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1134)  
MPTY )
- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 6-42-3 TO 6-42-10
- 35 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1127)  
MPTY)
- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 6-42-10 TO 8-3-4 TO SUPT. BLDG.
- \* LUNCH

# STANDARD TIME CALCULATION

## M O S T OPERATION TIME CALCULATION

STEP	SA	FREQ	INTERNAL TMU	EXTERNAL TMU	LOC #
1	0.00	1.00		2900.	1136
2	0.00	1.00		2900.	1137
3	0*00	1000		12000.	873
4	0.00	1.00		5500.	1156
5	0.00	1.00		6700 .	1122
6	0.00	1.00		10500.	859
7	0.00	1.00		5500.	1121
8	0.00	1.00		10500.	859
9	0*00	1.00		6700.	1117
10	0.00	1.00		15500.	847
11	0.00	1.00		2900.	1136
12	0*00	1.00		5500.	1130
13	0*00	1+00		5500.	1127
14	0.00	4.00		18000.	1123
15	0*00	4.00		36400.	870
16	0.00	1.00		6700.	1128
17	0.00	1.00		3900.	1083
18	0.00	1.00		6700.	1126
19	0.00	1.00		9100.	870
20	0.00	1.00		4500.	1123
21	0.00	1.00		9100.	870
22	0.00	4.00		9200.	1133
23	0000	4.00		36400.	870
24	0.00	4.00		9200.	1132
25	0.00	4.00		36400.	870
26	0.00	4 . 0 0		18000.	1123
27	0.00	4.00		36400.	870
28	0.00	1.00		4500.	1123
29	0.00	1.00		10500.	872
30	0.00	1.00		5500.	1130
31	0000	1.00		12000.	873
32	0.00	1*00		4500.	1123
33	0,00	5.00		33000,	1073
34	0.00	5.00		14500.	1134
35	0.00	1.00		5500 .	1127

MANUAL TIME (TMU)

0. 422600.

ACTUAL PROCESS TIME (TMU)

0. 0..

STANDARD TIME CALCULATION

FACTORED PROCESS TIME (TMU) 0.

TOTAL INTERNAL TIME(TMU) 0.

TITLE SHEET USED IN SETTING STANDARD: 0



# STANDARD TIME CALCULATION

## M O S T OPERATION TIME CALCULATION

### Engineered Operation Time Calculation

Type of. Work	Elemental Time	Percent Allowance	Allowance Time	Standard Time
EXTERNAL MANUAL	4.226		0.000	4.226
ASSIGNED INTERNAL	(0.000)	( )	(0.000)	(0.000)
PROCESS TIME	0.000		0,000	0.000
STANDARD(HRS,/CYCLE)	4. 226		0 . 0 0 0	4.226
PIECES PER CYCLE				
STANDARD HOURS				4.2

# STANDARD TIME CALCULATION

## M O S T OPERATION TIME CALCULATION

DETAIL/UNIT/PART	X	REV, LTR/DATE	X
PROCESS/OPER CODE	OPERATE	STANDARD CODE	X
PART NAME	SMALL STRADDLE CARRIER		
SHIP CLASS	x.	HULL	x
COST CLASS/JOB #	X	TRADE	TRANSPORTATION
GROUP (UNIT/ZONE)	X	WORK AREA	SHIPYARD
SUB-GROUP	x	WORK ZONE	x
SUB-SUB-GROUP	x	WORK CENTER	x
CREW/MACHINE	1 DRIVER	ASSET/MACHINE	x
ITEM	x	SUB-ITEM	x
GEN. DRAWING	X	WORK ORDER	x
DET+ DRAWING	X	SHEET	1
WORK PACKAGE	x	APPLICATOR	PA
OPER. DESCRIPTION	OPERATE SMALL STRADDLE CARRIER ON A TYPICAL DAY		
	12:30 PM TO 4:00 PM		
DATE	25-JUL-83	ISSUE #	1

Step	Method Instruction	Freq
1	TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E{ 1131) MPTY)	
	* REPRESENTS MOVEMENT OF A EMPTY	
	* ...SMALL STRADDLE CARRIER	
	* 8-3-4 TO 10-52-1 TO PIPE STORAGE	
2	TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (S( 929) ECURE )	

# STANDARD TIME CALCULATION

- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 10-52-1 TO 9-84-4 TO WAREHOUSE
- \* CRADLE-PIPE
- 3 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (S( 927)  
ECURE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 9-84-4 TO 8-58-4 TO BOILER SHOP
- \* PLATFORM - LADDERS
- 4 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1130)  
MPY)
- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 8-58-4 TO 9-84-2 TO WAREHOUSE
- 5 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (S( 1084)  
ECURE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 9-84-4 TO 9-74-4 TO SHEET METAL SHOP
- \* PLATFORM - FLAT BAR
- 6 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1138)  
MPY )
- \* REPRESENTS MOVEMENT OF A EMPTY\*
- \* ...SMALL STRADDLE CARRIER
- \* 9-74-4 TO 9-84-4 TO WAREHOUSE
- 7 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (L( 1082)  
00SE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 9-84-4 TO 9-70-4 TO ELECTRIC SHOP
- % SKIDS - VENTS
- 8 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1139)  
MFTY)
- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 9-70-4 TO 9-84-4 TO WAREHOUSE
- 9 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (S( 907)  
ECURE )
- \* REPRESENTS MOVEMENT OF A SECURE LOADED

# STANDARD TIME CALCULATION

- \* ...SMALL STRADDLE CARRIER
- \* 9-84-4 TO 3-7-10 TO 602 TRACK
- \* PLATFORM - PLATES
- 10 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1120)  
MPTY)
- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 3-7-10 TO 5-34-13 TO 34 AREA
- 11 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (S( 903)  
ECURE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 5-34-13 TO 3-25-1 TO 25 AREA
- \* CRADDLE - EMPTY
- 12 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1.121)  
MPTY)
- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 3-25-1 TO 6-2-1 TO PANEL SHOP STORAGE
- 13 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (S( 920)  
ECURE )
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 6-2-1 To 7-52-1 To PIPE SHOP
- \* CRADLE - EMPTY
- 14 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (S( 916)  
ECURE )
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 7-52-1 TO 5-34-2 TO 34 AREA
- \* CRADLE - EMPTY
- 15 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1124)  
MPTY)
- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 5-34-2 TO 7-52-1 TO PIPE SHOP
- \* LIFT-NOT THERE
- 16 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1129)  
MPTY )
- \* REPRESENTS MOVEMENT OF AN EMPTY

# STANDARD TIME CALCULATION

\* ...SMALL STRADDLE CARRIER  
\* 7-52-1 TO 9-84-4 TO WAREHOUSE  
17 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (S( 925)  
ECURE)  
  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...SMALL STRADDLE CARRIER  
\* 9-84-4 TO 7-1-2 TO 1-PIER  
\* PLATFORM - PIPE  
18 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1124)  
MPTY)  
  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
\* 7-1-2 TO 5-34-13 TO 34 AREA  
19 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (S( 917)  
ECURE)  
  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...SMALL STRADDLE CARRIER  
\* 5-34-13 TO 8-58-1 TO BOILER SHOP  
\* CRADLE - EMPTY  
20 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1118)  
MPTY)  
  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
\* 8-58-1 TO 1-2-4 TO BASIN - NORTH  
\* CAN'T PICK UP LIFT  
21 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1116)  
MPTY)  
  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
\* 1-2-4 TO 2-12-3 TO 12 TABLE  
TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (S( 900)  
ECURE)  
  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...SMALL STRADDLE CARRIER  
\* 2-12-3 TO 9-84-7 TO WAREHOUSE  
\* CRADLE - SCRAP-PAN  
23 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1128)  
MPTY )  
  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...SMALL STRADDLE CARRIER

# STANDARD TIME CALCULATION

- \* 9-84-7 TO 6-42-10 TO FAB SHOP
- \* LIFT NOT THERE
- 24 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1135)  
MPTY)
- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 6-42-10 TO 6-42-11
- 25 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (L( 870)  
00SE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 6-42-11 TO 5-34-24 TO 34 AREA
- \* SKIDS - PLATES
- 26 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1123)  
MPTY)
- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 5-34-24 TO 6-42-11 TO FAB SHOP
- 27 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (L( 876)  
00SE )
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 6-42-11 TO 8-58-9 TO BOILER SHOP
- SKIDS - PLATES
- 28 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1119)  
MPTY)
- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 8-58-9 TO 2-13-1 TO 13 TABLE
- 29 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (S( 899)  
ECURE )
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 2-13-1 TO 8-72-2 TO CARPENTER SHOP
- X SKIDS - LADDERS
- 30 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1131)  
MPTY )
- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 8-72-2 TO 10-52-1 TO PIPE STORAGE

STANDARD TIME CALCULATION

31 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (L( 884)  
00SE)

- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 10-52-1 TO 9-84-4 TO WAREHOUSE
- SKIDS- PIPE

32 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (S( 1084)  
ECURE)

- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...SMALL STRADDLE CARRIER
- \* 9-84-4 TO 9-74-4 TO SHEET METAL SHOP
- \* SKIDS - FLAT BAR

33 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1130)  
MPTY)

- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 9-74-4 TO 8-3-4 TO SUPT. BLDG.
- \* TURN IN DAILY TRANSPORTATION LOG

34 TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (E( 1130)  
MPTY)

- \* REPRESENTS MOVEMENT OF A EMPTY
- \* ...SMALL STRADDLE CARRIER
- \* 8-3-4 TO 9-87-5 TO GARAGE
- \* END OF SHIFT

# STANDARD TIME CALCULATION

## M O S T OPERATION TIME CALCULATION

STEP	SA	FREQ	INTERNAL THU	EXTERNAL THU	LOC #
1	0.00	1.00		6700	1131
2	0.00	1.00		9100.	929
3	0.00	1.00		9100.	927
4	0.00	1.00		5500.	1130
5	0.00	4.00		22400.	1084
6	0.00	4.00		9200.	1138
7	0.00	1.00		5600.	1082
8	0.00	1.00		2300.	1139
9	0.00	1.00		12000 .	907
10	0.00	1.00		5500.	1120
11	0.00	1.00		9100.	903
12	0.00	1.00		5500.	1121
13	0.00	1.00		9100.	920
14	0.00	4.00		36400.	916
15	0.00	4.00		22000.	1124
16	0000	1.00		5500.	1129
17	0.00	1.00		9100,	925
18	0.00	1.00		5500.	1124
19	0.00	1.00		9100.	917
20	0.00	1.00		8000.	1118
21	0.00	1.00		4500.	1116
22	0.00	1.00		12000	900
23	0000	1.00		6700.	1128
24	0.00	1.00		2300,	1135
25	0.00	4.00		36400.	870
26	0.00	4.00		18000.	1123
27	0.00	1.00		10500.	876
28	0.00	1.00		6700.	1119
29	0.00	1.00		10500.	899
30	0.00	1.00		6700.	1131
31	0.00	1.00		10500.	884
32	0.00	1.00		5600.	1084
33	0,00	1.00		5500.	1130
34	0.00	1.00		5500.	1130

MANUAL TIME(TMU)

0. 770700.

ACTUAL PROCESS TIME(THU)

0. 0.



STANDARD TIME CALCULATION

FACTORED PROCESS TIME(TMU) 0.

TOTAL INTERNAL TIME(TMU) 0.

TITLE SHEET USED IN SETTING STANDARD: 0

# STANDARD TIME CALCULATION

## M O S T OPERATION TIME CALCULATION

### Engineered Operation Time Calculation

Type of Work	Elemental Time	Percent Allowance -----,---	Allowance Time -----	Standard Time -----
EXTERNAL MANUAL	3.481		0*000	3,481
ASSIGNED INTERNAL	(0.000)	( ) (	0.000) (	0.000)
PROCESS TIME	0.000		0.000	0.000
STANDARD(HRS./CYCLE)	3.481		0.000	3.481
PIECES PER CYCLE	1			
STANDARD HOURS				3.5

SECTION 5  
DATA SYNTHESIS AND BACK-UP

5.1 SUMMARY

1116. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-1

TOTAL TMU                    4500.

1117. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOUE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-1

TOTAL TMU                    6700.

1118, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-1

TOTAL TMU                    8000.

DATA SYNTHESIS AND BACK-UP

1119. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-2

TOTAL TMU 6700.

1120. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

TOTAL THU 5500,

1121. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

TOTAL TMU 5500.

DATA SYNTHESIS AND BACK-UP

1122. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-3

TOTAL TMU 6700.

1123. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL THU 4500,

1124, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 5500.

DATA SYNTHESIS AND BACK-UP

1156. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 5500.

1126, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 6700.

1127. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

TOTAL TMU 5500.

DATA SYNTHESIS AND BACK-UP

1128. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

TOTAL TMU 6700.

1129. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-7

TOTAL TMU 5500.

1130. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-8

TOTAL TMU 5500.

DATA SYNTHESIS AND BACK-UP

1131. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARI  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-8

TOTAL TMU 6700.

1132. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARI  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT S24

TOTAL THU 2300.

1133. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARI  
TRANSPORTATION  
PER HOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT S3

TOTAL THU 2300.



DATA SYNTHESIS AND BACK-UP

1134. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OF(3: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S3

TOTAL TMU 2900.

1135. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S10

TOTAL TMU 2300.

1136. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-84

TOTAL TMU 2900.

DATA SYNTHESIS AND BACK-UP

1137. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-74.

TOTAL TMU 2900.

1138. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-74

TOTAL TMU 2300.

1139. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-70

TOTAL TMU 2300.

DATA SYNTHESIS AND BACK-UP

847. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-1

TOTAL THU 15500.

859. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

TOTAL TMU 10500.

870, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 9100.

DATA SYNTHESIS AND BACK-UP

872. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 10500.

873. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 12000.

874. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

TOTAL THU 10500.

DATA SYNTHESIS AND BACK-UP

884. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-9

TOTAL TMU 10500.

899. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-2

TOTAL TMU 10500.

900. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-2

TOTAL THU 12000.

DATA SYNTHESIS AND BACK-UP

903. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 19-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-3

TOTAL THU 9100.

907. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 19-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-3

TOTAL TMU 12000.

916. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 19-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL THU 9100.

DATA SYNTHESIS AND BACK-UP

917. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 9100.

920. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

TOTAL TMU 9100.

925. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL;83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-7

TOTAL TMU 9100.

DATA SYNTHESIS AND BACK-UP

927. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-8

TOTAL TMU 9100.

929. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIUER BEGINS AT ZONE-9

TOTAL TMU 9100.

1073. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S3

TOTAL THU 6600.



DATA SYNTHESIS AND BACK-UP

1082. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-70

TOTAL TMU 5600.

1083. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-70

TOTAL TMU 3900.

1084. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-74

TOTAL TMU 5600.

DATA SYNTHESIS AND BACK-UP

5.2 SYNTHESIS AND ANALYSIS

1116. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYA  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-1

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-1	USING	SM-STRAD-E	TO	ZONE
	A1	S6	T6	LO	T32	LO	TO	AO		1.00	450

TOTAL TMU 450

1117. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYA  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-1

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-1	USING	SM-STRAD-E	TO	ZONE
	A1	S6	T6	LO	T54	LO	TO	AO		1.00	670

TOTAL TMU 670

1118. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYA  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-1

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-1	USING	SM-STRAD-E	TO	ZONE
	A1	S6	T6	LO	T67	LO	TO	AO		1.00	800

TOTAL TMU 800

# DATA SYNTHESIS AND BACK-UP

1119. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-2

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-2 USING SM-STRAII-E TO ZONE-8  
A1 S6 T6 LO T54 LO TO AO 1.00 6700.

TOTAL TMU 6700.

1120. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-3 USING SM-STRAD-E TO ZONE-5  
A1 S6 T6 LO T42 LO TO AO 1.00 5500+

TOTAL TMU 5500.

1121. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRAIDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-3 USING SM-STRAD-E TO ZONE-6  
A1 S6 T6 LO T42 LO TO AO 1.00 5500.

TOTAL TMU 5500.

DATA SYNTHESIS AND BACK-UP

1122. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-3	USING	SM-STRAU-E	TO	ZONE-8	
	A1	S6	T6	LO	T54	LO	TO	AO		1.00	6700.	

TOTAL TMU 6700.

1123. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-5	USING	SM-STRAD-E	TO	ZONE-6	
	A1	S6	T6	LO	T32	LO	TO	AO		1000	4500.	

TOTAL TMU 4500.

1124. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TITLE

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-5	USING	SM-STRAD-E	TO	ZONE-7	
	A1	S6	T6	LO	T42	LO	TO	AO		1.00	5500.	

TOTAL TMU 5500.

DATA SYNTHESIS AND BACK-UP

1156. TRANSPORT PALLET ON (SMALL) STRADBLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-5 USING SM-STRAD-E TO ZONE-8  
A1 S6 T6 LO T42 LO TO A() 1.00 5500.

TOTAL TMU 5500.

1126. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OF(3: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-5 USING SM-STRAD-E TO ZONE-9  
A1 S6 T6 LO T54 LO TO AO 1.00 6700.

TOTAL TMU 6700.

1127. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TITLE

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-6 USING SM-STRAD-E TO ZONE-8  
A1 S6 T6 LO T42 LO TO AO 1.00 5500.

TOTAL TMU 5500.

# DATA SYNTHESIS AND BACK-UP

1128. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIP:  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-6	USING	SM-STRAD-E	TO	ZON	
	A1	S6	T6	LO	154	LO	TO	AO		1,00	6'	

TOTAL	TMU	67
-------	-----	----

1129, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIP:  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-7

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-7	USING	SM-STRAD-E	TO	ZON	
	A1	S6	T6	LO	T42	LO	TO	A()		1.00	5'	

TOTAL	TMU	55
-------	-----	----

1130. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIP:  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-8

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	ZONE-8	USING	SM-STRAD-E	TCI	ZON	
	A1	S6	T6	LO	T42	LO	TO	A0		1.00	55	

TOTAL	TMU	55
-------	-----	----

DATA SYNTHESIS AND BACK-UP

1131. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSFORMATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET ( EMFTY ) FROM ZONE-8 USING SM-STRAD-E TO ZONE-10  
A1 S6 T6 LO T54 LO TO A0 1.00 6700.

TOTAL TMU 6700.

1132. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S24

1 TRANSPORT PALLET ( EMPTY ) FROM S24 USING SM-STRAD-E TO S25  
A1 S6 T6 LO TIO LO TO A0 1.00 2300.

TOTAL TMU 2300.

1133. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S3

1 TRANSPORT PALLET ( EMPTY ) FROM S3 USING SM-STRAD-E TO S11  
A1 S6 T6 LO TIO LO TO A0 1.00 2300.

TOTAL TMU 2300.

# DATA SYNTHESIS AND BACK-UP

1134. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYAR  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S3

1	TRANSPORT PALLET (	EMPTY	)	FROM	S3	USING	SM-STRAD-E	TO	S10		
	A1	S6	T6	LO	T16	LO	TO	AO		1.00	2900

TOTAL	TMU	2900
-------	-----	------

1135. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYAR  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S10

1	TRANSPORT PALLET (	EMPTY	)	FROM	S10	USING	SM-STRAD-E	TO	S11		
	A1	S6	T6	LO	T10	LO	TO	AO		1.00	2300

TOTAL	TMU	2300
-------	-----	------

1136. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYAR  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-84

1	TRANSPORT PALLET (	EMPTY	)	FROM	AREA-84	USING	SM-STRAD-E	TO	AREA		
	A1	S6	T6	LO	T16	LO	TO	AO		1.00	2900

TOTAL	TMU	2900
-------	-----	------



# DATA SYNTHESIS AND BACK-UP

1137. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-74

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	AREA-74	USING	SM-STRAD-E	TO	AREA-87	
	A1	S6	T6	LO	T16	LO	TO	AO		1.00	2 9 0 0 ,	

TOTAL	TMU	2900.
-------	-----	-------

1138, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-74

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	AREA-74	USING	SM-STRAD-E	TO	AREA-84	
	A1	S6	T6	LO	T10	LO	TO	AO		1.00	2300.	

TOTAL	TMU	2300.
-------	-----	-------

1139. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-70

1	TRANSPORT	PALLET	(	EMPTY	)	FROM	AREA-70	USING	SM-STRAD-E	TO	AREA-84	
	A1	S6	T6	LO	T10	LO	TO	AO		1.00	2300.	

TOTAL	TMU	2300.
-------	-----	-------

DATA SYNTHESIS AND BACK-UP

847, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-1

1 TRANSPORT PALLET RAISE FROM ZONE-1 USING SM-STRAD-L TO ZONE-9 LOW  
A1 S6 T1 L10 T131L6 TO AO 1.00 15500.

TOTAL TMU 15500.

859. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING SM-STRAD-L TO ZONE-6 LOW  
A1 S6 T1 L10 T81 L6 TO AO 1.00 10500.

TOTAL TMU 10500.

870, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING SM-STRAD-L TO ZONE-6 LOW  
A1 S6 T1 L10 T67 L6 TO AO 1.00 9100.

TOTAL TMU 9100.

DATA SYNTHESIS AND BACK-UP

872. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 19-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5  
  
1 TRANSPORT PALLET RAISE FROM ZONE-S USING SM-STRAD-L TO ZONE-8 LOWER  
A1 S6 T1 L10 T81 LA TO AO 1,00 10500.  
  
TOTAL TMU 10500.

873. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 19-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5  
  
1 TRANSPORT PALLET RAISE FROM ZONE-5 USING SM-STRAD-L TO ZONE-9 LOWER  
A1 S6 T1 L10 T96 L6 TO AO 1000 12000.  
  
TOTAL TMU 12000.

876, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 19-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-6  
  
1 TRANSPORT PALLET RAISE FROM ZONE-6 USING SM-STRAD-L TO ZONE-8 LOWER  
A1 S6 T1 L10 T81 L6 TO AO 1.00 10500.  
  
TOTAL TMU 10500.

DATA SYNTHESIS AND BACK-UP

884. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 19-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-9

1 TRANSPORT PALLET RAISE FROM ZONE-9 USING SM-STRAD-L TO ZONE-10 LOW  
A1 S6 T1 L10 T81 L6 TO AO 1.00 10300.

TOTAL TMU 10500.

899. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARI  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 19-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-2

1 TRANSPORT PALLET RAISE FROM ZONE-2 USING SM-STRAD-S TO ZONE-8 LOWE  
AI S6 TI L10 T81 L6 TO AO 1.00 10500.

TOTAL TMU 10500.

900. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARI  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 19-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A EMPTY  
\* ...SMALL STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-2

1 TRANSPORT PALLET RAISE FROM ZONE-2 USING SM-STRAD-S TO ZONE-9 LOWE  
A1 S6 T1 L10 T96 L6 TO AO 1.00 12000.

TOTAL THU 12000.

DATA SYNTHESIS AND RACK-UP

903. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER HOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TITLE

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING SM-STRAD-S TO ZONE-5 LOWER  
A1 S6 T1 L10 T67 L6 TO AO 1.00 9100.

TOTAL TMU 9100.

907, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING SM-STRAD-S TO ZONE-9 LOWER  
A1 S6 T1 L10 T96 L6 TO AO 1.00 12000.

TOTAL TMU 12000.

916. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING SM-STRAD-S TO ZONE-7 LOWER  
A1 S6 T1 L10 T67 L6 TO AO 1.00 9100.

TOTAL TMU 9100.

DATA SYNTHESIS AND BACK-UP

917, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING SM-STRAD-S TO ZONE-8 LOWE  
A1 S6 T1 L10 T67 L6 TO A0 1.00 9100.

TOTAL TMU 9100,

920. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET RAISE FROM ZONE-A USING SM-STRAD-S TO ZONE-7 LOWE  
A1 S6 T1 L10 T67 L6 TO AO 1.00 9100

TOTAL TMU 9100.

925. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-7

1 TRANSPORT PALLET RAISE FROM ZONE-7 USING SM-STRAD-S TO ZONE-9 LOWE  
A1 S6 T1 L10 T67 L.6 TO AO 1.00 9100.

TOTAL TMU 9100

DATA SYNTHESIS AND BACK-UP

927. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OF(3: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET RAISE FROM-ZONE-8 USING SM-STRAD-S TO ZONE-9 LOWER  
A1 S6 T1 L10 T67 L6 TO AO 1.00 9100.

TOTAL TMU 9100

929+ TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIFYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 19-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-9

1 TRANSPORT PALLET RAISE FROM ZONE-9 USING SM-STRAD-S TO ZONE-10 LOWER  
A1 S6 T1 L10 T67 L6 TO AO 1.00 9100.

TOTAL TMU 9100.

1073. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S3

1 TRANSPORT PALLET RAISE FROM S3 USING SM-STRAD-L TO S10 LOWER  
A1 S6 T1 L10 T42 L.6 TO AO 1.00 6600.

TOTAL TMU 6600.

DATA SYNTHESIS AND BACK-UP

1082, TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-70

1 TRANSPORT PALLET RAISE FROM AREA-70 USING SM-STRAD-L TO AREA-74  
LOWER

A1 S6 T1 L10 T32 L6 TO AO 1600 5600.

TOTAL TMU 5600.

1083. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSF0RTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-70

1 TRANSPORT PALLET RAISE FROM AREA-70 USING SM-STRAD-E TO AREA-84  
LOWER

41 S6 T6 L10 TI0 L6 TO AO 1.00 3900.

TOTAL TMU 3900.

1084. TRANSPORT PALLET ON (SMALL) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIMEE

\* REPRESENTS MOVEMENT OF A EMPTY

\* ...SMALL STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-74

1 TRANSPORT PALLET RAISE FROM AREA-74 USING SM-STRAD-S TO AREA-84  
LOWER

A1 S6 TI L10 T32 L6 TO AO 1000 5600.

TOTAL TMU 5600.



WORK MANAGEMENT MANUAL

BACK-UP DATA  
for  
MATERIAL HANDLING EQUIPMENT  
LARGE STRADDLE CARRIER

Prepared for

SNAME Panel SP-8  
MarAd Task Es-8-15  
Under direction of  
H.B. Maynard & Co.

Prepared by

Industrial Engineering Department  
Bethlehem Steel Corporation  
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July, 1983

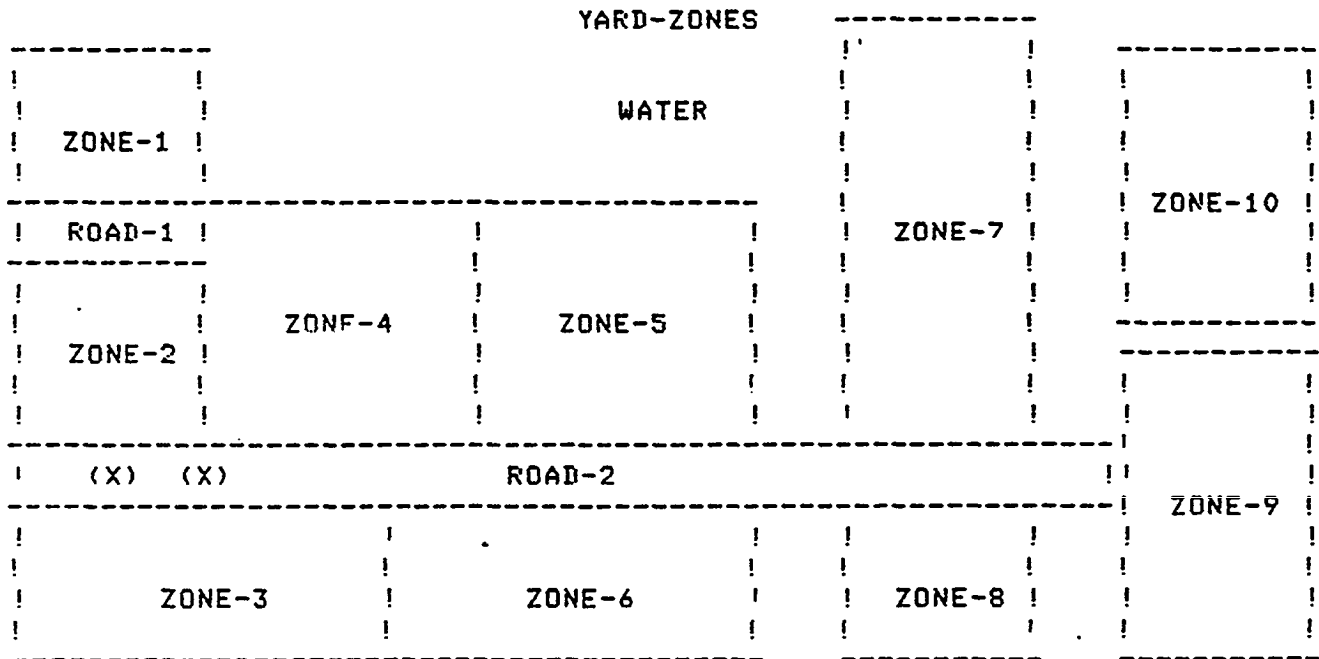
## INDEX

SECTION	TITLE	PAGE #
1	SCOPE	3
2	JOB LAYOUT - WORK AREAS	4-41
3	MANUAL METHODS	42-52
4	STANDARD TIME CALCULATIONS	53-67
4.1	TITLE SHEETS	53-55
4.2	HOW TO CALCULATE TIME STANDARDS	56-67
5	DATA SYNTHESIS AND BACK-UP	68-88
5.1	SUMMARY	68-78
5.2	SYNTHESIS AND ANALYSIS	79-88

## SECTION 1 SCOPE

This manual contains the back-up data for the large straddle carrier movements on a typical day. The data includes pertinent work areas, titlesheets? time standards and manual methods. Any further information about the large straddle carrier or any of the data can be found in the general work Management Manual on Material Handling Equipment.

SECTION 2  
JOB LAYOUT - WORK AREAS



Name	Location		Body/Frag/PT
-----			
WORKPLACES:			
YARD-ZONES	35,21	0,0	
ROAD-1	0,13	10,2	
ROAD-2	0,5	59,2	
WATER	35,18	0,0	
ZONE-1	0,15	10,5	
ZONE-2	0,7	10,6	
ZONE-3	0,0	20,5	
ZONE-4	10,7	15,8	
ZONE-5	25,7	15,8	
ZONE-6	20,0	20,5	
ZONE-7	45,7	10,14	
ZONE-8	45,0	10,5	
ZONE-9	60,0	10,10	
ZONE-10	60,11	10,9	
OBJECTS:			
PALLETS	YARD-ZONES		FRAG
BOLSTERS	YARD-ZONES		FRAG
UNITS	YARD-ZONES		FRAG

# JOB LAYOUT - WORK AREAS

## EQUIPMENT:

FRK-E	YARD-ZONES	03T
FRK-L	YARD-ZONES	01T
FRK-S	YARD-ZONES	02T
SM-STRAD-E	YARD-ZONES	06T
SM-STRAD-L	YARD-ZONES	04T
SM-STRAD-S	YARD-ZONES	05T
LG-STRAD-E	YARD-ZONES	09T
LG-STRAD-L	YARD-ZONES	07T
LG-STRAD-S	YARD-ZONES	08T

## OPERATORS:

FORK-DRIVER	ROAD-2	5,6 B
STRADDLE-DRIVER	ROAD-2	10,6

From	To	Steps
-----	-----	-----
YARD-ZONES	ROAD-1	0
YARD-ZONES	ROAD-2	0
YARD-ZONES	WATER	0
YARD-ZONES	ZONE-1	0
YARD-ZONES	ZONE-2	0
YARD-ZONES	ZONE-3	0
YARD-ZONES	ZONE-4	0
YARD-ZONES	ZONE-5	0
YARD-ZONES	ZONE-6	0
YARD-ZONES	ZONE-7	0
YARD-ZONES	ZONE-8	0
YARD-ZONES	ZONE-9	0
YARD-ZONES	ZONE-10	0
ROAD-1	ROAD-2	0
ROAD-1	WATER	0
ROAD-1	ZONE-1	0
ROAD-1	ZONE-2	0
ROAD-1	ZONE-3	0
ROAD-1	ZONE-4	0
ROAD-1	ZONE-5	0
ROAD-1	ZONE-6	0
ROAD-1	ZONE-7	0
ROAD-1	ZONE-8	0
ROAD-1	ZONE-9	0
ROAD-1	ZONE-10	0
ROAD-2	WATER	0
ROAD-2	ZONE-1	0

# JOB LAYOUT - WORK AREAS

ROAD-2	ZONE-2	0
ROAD-2	ZONE-3	0
ROAD-2	ZONE-4	0
ROAD-2	ZONE-5	0
ROAD-2	ZONE-6	0
ROAD-2	ZONE-7	0
ROAD-2	ZONE-8	0
ROAD-2	ZONE-9	0
ROAD-2	ZONE-10	0
WATER	ZONE-1	0
WATER	ZONE-2	0
WATER	ZONE-3	0
WATER	ZONE-4	0
WATER	ZONE-5	0
WATER	ZONE-6	0
WATER	ZONE-7	0
WATER	ZONE-8	0
WATER	ZONE-9	0
WATER	ZONE-10	0
ZONE-1	ZONE-2	640
ZONE-1	ZONE-3	760
ZONE-1	ZONE-4	1190
ZONE-1	ZONE-5	1250
ZONE-1	ZONE-6	1180
ZONE-1	ZONE-7	1640
ZONE-1	ZONE-8	1560
ZONE-1	ZONE-9	1880
ZONE-1	ZONE-10	2240
ZONE-2	ZONE-3	500
ZONE-2	ZONE-4	580
ZONE-2	ZONE-5	930
ZONE-2	ZONE-6	870
ZONE-2	ZONE-7	1340
ZONE-2	ZONE-8	1150
ZONE-2	ZONE-9	1540
ZONE-2	ZONE-10	1910
ZONE-3	ZONE-4	650
ZONE-3	ZONE-5	940
ZONE-3	ZONE-6	810
ZONE-3	ZONE-7	1290
ZONE-3	ZONE-8	1180
ZONE-3	ZONE-9	1570
ZONE-3	ZONE-10	1960
ZONE-4	ZONE-5	600
ZONE-4	ZONE-6	610
ZONE-4	ZONE-7	1250
ZONE-4	Z O N E - 8	1140

# JOB LAYOUT - WORK AREAS

ZONE-4	ZONE-9	1330
ZONE-4	ZONE-10	1730
ZONE-5	ZONE-6	650
ZONE-5	ZONE-7	1000
ZONE-5	ZONE-8	880
ZONE-5	ZONE-9	1080
ZONE-5	ZONE-10	1470
ZONE-6	ZONE-7	1030
ZONE-6	ZONE-8	910
ZONE-6	ZONE-9	1130
ZONE-6	ZONE-10	1480
ZONE-7	ZONE-8	470
ZONE-7	ZONE-9	940
ZONE-7	ZONE-10	1310
ZONE-8	ZONE-9	820
ZONE-8	ZONE-10	1190
ZONE-9	ZONE-10	810

# JOB LAYOUT - WORK AREAS

## ZONE-5-AREA-34-SQUARES

-----S25-----			-----S7-----		
! S29 !	!	! S15 !	!	!	!
! S28 !	!	! S24 !	!	! S6 !	!
!	!	! S14 !	!	!	!
-----			-----		
!	!	! S13 !	!	! S5 !	!
! S27 !	!	! S12 !	!	!	!
!	!	!	!	!	!
AREA-34			!	! S4 !	AREA-1
!	!	! S11 !	!	!	!
!	!	! S22 !	!	! S3 !	!
!	!	! S10 !	!	!	!
NO.-6-HEADHOUSE			-----		
!	!	! S9 !	!	!	!
!	!	! S21 !	!	! S2 !	!
!	!	! S8 !	!	!	!
! S26 !	!	!	!	! S1 !	!
-----S20-----			-----		
!	(X) (X)	ROADWAY	!	!	!

Name	Location		Body/Frag/PT
-----	-----		-----
WORKPLACES:			
ZONE-5-AREA-34-SQUARES	35,21	0,0	
ROADWAY	0,0	71,2	
AREA-34	15,10	0,0	
AREA-1	60,2	10,18	
NO.-6-HEADHOUSE	0,5	5,4	
S1	50,2	10,2	
S2	50,4	10,3	
S3	55,8	5,2	
S4	50,9	5,3	
S5	50,13	10,2	
S6	45,16	15,2	
S7	45,19	15,1	
S8	35,3	5,2	
S9	35,5	5,2	
S10	35,7	5,2	
S11	35,9	5,2	
S12	35,11	5,2	
S13	35,13	5,2	
S14	35,15	5,2	



# JOB LAYOUT - WORK AREAS

S15	35,17	5,2
S20	25,2	15,0
S21	25,3	10,4
S22	25,7	10,4
S23	25,11	10,4
S24	25,15	10,4
S25	10,19	15,1
S26	0,2	5,2
S27	0,10	5,4
S28	5,15	4,5
S29	0,17	4,2

OBJECTS:		
PALLETS	AREA-34	FRAG
BOLSTERS	AREA-34	FRAG
UNITS	AREA-34	FRAG

EQUIPMENT:		
FRK-E	ROADWAY	03T
FRR-L	ROADWAY	01T
FRK-S	ROADWAY	02T
SM-STRAD-E	ROADWAY	06T
SM-STRAD-L	ROADWAY	04T
SM-STRAD-S	ROADWAY	05T
LG-STRAD-E	ROADWAY	09T
LG-STRAD-L	ROADWAY	07T
LG-STRAD-S	ROADWAY	08T

OPERATORS:		
FORK-DRIVER	R O A D W A Y	10,1 B
STRADDLE-DRIVER	ROADWAY	15,1

From	To	Steps
-----	-----	-----
ZONE-5-AREA-34-SQUARES	ROADWAY	0
ZONE-5-AREA-34-SQUARES	AREA-34	0
ZONE-5-AREA-34-SQUARES	AREA-1	0
ZONE-5-AREA-34-SQUARES	NO.-6-HEADHOUSE	0
ZONE-5-AREA-34-SQUARES	S1	0
ZONE-5-AREA-34-SQUARES	S2	0
ZONE-5-AREA-34-SQUARES	S3	0
ZONE-5-AREA-34-SQUARES	S4	0
ZONE-5-AREA-34-SQUARES	S5	0
ZONE-5-AREA-34-SQUARES	S6	0
ZONE-5-AREA-34-SQUARES	S7	0

# JOB LAYOUT - WORK AREAS

ZONE-5-AREA-34-SQUARES	S8	0
ZONE-5-AREA-34-SQUARES	S9	0
ZONE-5-AREA-34-SQUARES	S10	0
ZONE-5-AREA-34-SQUARES	S11	0
ZONE-5-AREA-34-SQUARES	S12	0
ZONE-5-AREA-34-SQUARES	S13	0
ZONE-5-AREA-34-SQUARES	S14	0
ZONE-5-AREA-34-SQUARES	S15	0
ZONE-5-AREA-34-SQUARES	S20	0
ZONE-5-AREA-34-SQUARES	S21	0
ZONE-5-AREA-34-SQUARES	S22	0
ZONE-5-AREA-34-SQUARES	S23	0
ZONE-5-AREA-34-SQUARES	S24	0
ZONE-5-AREA-34-SQUARES	S25	0
ZONE-5-AREA-34-SQUARES	S26	0
ZONE-5-AREA-34-SQUARES	S27	0
ZONE-5-AREA-34-SQUARES	S28	0
ZONE-5-AREA-34-SQUARES	S29	0
ROADWAY	AREA-34	0
ROADWAY	AREA-1	0
ROADWAY	NO.-6-HEADHOUSE	0
ROADWAY	S1	0
ROADWAY	S2	0
ROADWAY	S3	0
ROADWAY	S4	0
ROADWAY	S5	0
ROADWAY	S6	0
ROADWAY	S7	0
ROADWAY	S8	0
ROADWAY	S9	0
ROADWAY	S10	0
ROADWAY	S11	0
ROADWAY	S12	0
ROADWAY	S13	0
ROADWAY	S14	0
ROADWAY	S15	0
ROADWAY	S20	0
ROADWAY	S21	0
ROADWAY	S22	0
ROADWAY	S23	0
ROADWAY	S24	0
ROADWAY	S25	0
ROADWAY	S26	0
ROADWAY	S27	0
ROADWAY	S28	0
ROADWAY	S29	0
AREA-34	AREA-1	0

# JOB LAYOUT - WORK AREAS

AREA-34	NO.-6-HEADHOUSE	0
AREA-34	S1	0
AREA-34	S2	0
AREA-34	S3	0
AREA-34	S4	0
AREA-34	S5	0
AREA-34	S6	0
AREA-34	S7	0
AREA-34	S8	0
AREA-34	S9	0
AREA-34	S10	0
AREA-34	S11	0
AREA-34	S12	0
AREA-34	S13	0
AREA-34	S14	0
AREA-34	S15	0
AREA-34	S20	0
AREA-34	S21	0
AREA-34	S22	0
AREA-34	S23	0
AREA-34	S24	0
AREA-34	S25	0
AREA-34	S26	0
AREA-34	S27	0
AREA-34	S28	0
AREA-34	S29	0
AREA-1	NO.-6-HEADHOUSE	0
AREA-1	S1	0
AREA-1	S2	0
AREA-1	S3	0
AREA-1	S4	0
AREA-1	S5	0
AREA-1	S6	0
AREA-1	S7	0
AREA-1	S8	0
AREA-1	S9	0
AREA-1	S10	0
AREA-1	S11	0
AREA-1	S12	0
AREA-1	S13	0
AREA-1	S14	0
AREA-1	S15	0
AREA-1	S20	0
AREA-1	S21	0
AREA-1	S22	0
AREA-1	S23	0
AREA-1	S24	0

# JOB LAYOUT - WORK AREAS

AREA-1	S25	0
AREA-1	S26	0
AREA-1	S27	0
AREA-1	S28	0
AREA-1	S29	0
NO.-6-HEADHOUSE	S1	0
NO.-6-HEADHOUSE	S2	0
NO.-6-HEADHOUSE	S3	0
NO.-6-HEADHOUSE	S4	0
NO.-6-HEADHOUSE	S5	0
NO.-6-HEADHOUSE	S6	0
NO.-6-HEADHOUSE	S7	0
NO.-6-HEADHOUSE	S8	0
NO.-6-HEADHOUSE	S9	0
NO.-6-HEADHOUSE	S10	0
NO.-6-HEADHOUSE	S11	0
NO.-6-HEADHOUSE	S12	0
NO.-6-HEADHOUSE	S13	0
NO.-6-HEADHOUSE	S14	0
NO.-6-HEADHOUSE	S15	0
NO.-6-HEADHOUSE	S20	0
NO.-6-HEADHOUSE	S21	0
NO.-6-HEADHOUSE	S22	0
NO.-6-HEADHOUSE	S23	0
NO.-6-HEADHOUSE	S24	0
NO.-6-HEADHOUSE	S25	0
NO.-6-HEADHOUSE	S26	0
NO.-6-HEADHOUSE	S27	0
NO.-6-HEADHOUSE	S28	0
NO.-6-HEADHOUSE	S29	0
S1	S2	80
S1	S3	148
S1	S4	155
S1	S5	195
S1	S6	215
S1	S7	245
S1	S8	85
S1	S9	110
S1	S10	135
S1	S11	160
S1	S12	185
S1	S13	210
S1	S14	235
S1	S15	260
S1	S20	80
S1	S21	150
S1	S22	200

# JOB LAYOUT      WORK AREAS

S1	S23	250
S1	S24	300
S1	S25	345
S1	S26	195
S1	S27	340
S1	S28	430
S1	S29	450
S2	S3	70
S2	S4	85
S2	S5	170
S2	S6	185
S2	S7	220
S2	S8	70
S2	S9	70
S2	S10	95
S2	S11	120
S2	S12	145
S2	S13	170
S2	S14	185
S2	S15	220
S2	S20	115
S2	S21	90
S2	S22	140
S2	S23	185
S2	S24	235
S2	S25	280
S2	S26	175
S2	S27	305
S2	S28	395
S2	S29	415
S3	S4	45
S3	S5	70
S3	S6	100
S3	S7	135
S3	S8	130
S3	S9	105
S3	S10	80
S3	S11	80
S3	S12	105
S3	S13	130
S3	S14	155
S3	S15	180
S3	S20	185
S3	S21	165
S3	S22	113
S3	S23	145
S3	S24	195

# JOB LAYOUT - WORKS AREAS

S3	S25	240
S3	S26	260
S3	S27	285
S3	S28	375
S3	S29	395
S4	S5	50
S4	S6	60
S4	S7	95
S4	S8	145
S4	S9	120
S4	S10	95
S4	S11	70
S4	S12	55
S4	S13	80
S4	S14	105
S4	S15	130
S4	S20	190
S4	S21	115
S4	S22	165
S4	S23	105
S4	S24	155
S4	S25	200
S4	S26	265
S4	S27	220
S4	S28	310
S4	S29	330
S5	S6	35
S5	S7	70
S5	S8	195
S5	S 9	170
S5	S10	145
S5	S11	120
S5	S12	95
S5	S13	70
S5	S14	85
S5	S15	110
S5	S20	235
S5	S21	215
S5	S22	165
S5	S23	115
S5	S24	145
S5	S25	190
S5	S26	310
S5	S27	200
S5	S28	285
S5	S29	305
S6	S7	35

# JOB LAYOUT      WORKAREAS

S6	S8	210
S6	S9	185
S6	S10	160
S6	S11	135
S6	S12	110
S6	S13	85
S6	S14	60
S6	S15	75
S6	S20	250
S6	S21	245
S6	S22	195
S6	S23	143
S6	S24	95
S6	S25	140
S6	S26	325
S6	S27	180
S6	S28	250
S6	S29	270
S7	S8	240
S7	S9	215
S7	S10	190
S7	S11	165
S7	S12	140
S7	S13	115
S7	S14	90
S7	S15	65
S7	S20	285
S7	S21	270
S7	S22	220
S7	S23	170
S7	S24	120
S7	S25	105
S7	S26	355
S7	S27	210
S7	S28	220
S7	S29	240
S8	S9	25
S8	S10	50
S8	S11	75
S8	S12	100
S8	S13	125
S8	S14	150
S8	S15	175
S8	S20	40
S8	S21	45
S8	S22	95
S8	S23	145

# JOB LAYOUT - WORK AREAS

S8	S24	195
S8	S25	240
S8	S26	120
S8	S27	265
S8	S28	345
S8	S29	380
S9	S10	25
S9	S11	50
S9	S12	75
S9	S13	100
S9	S14	125
S9	S15	150
S9	S20	65
S9	S21	60
S9	S22	90
S9	S23	140
S9	S24	190
S9	S25	235
S9	S26	145
S9	S27	245
S9	S28	320
S9	S29	355
S10	S11	25
S10	S12	50
S10	S13	75
S10	S14	100
S10	S15	125
S10	S20	90
S10	S21	85
S10	S22	65
S10	S23	115
S10	S24	165
S10	S25	210
S10	S26	170
S10	S27	220
S10	S28	295
S10	S29	330
S11	S12	95
S11.	S13	50
S111	S14	75
S11	S15	100
S11	S20	110
S11	S21	110
S11	S22	60
S11	S23	110
S11	S24	160
S11	S25	205



# JOB LAYOUT - WORK AREAS

S11	S26	195
S11	S27	195
S11	S28	270
S11	S29	305
S12	S13	25
S12	S14	50
S12	S15	75
S12	S20	140
S12	S21	135
S12	S22	85
S12	S23	70
S12	S24	120
S12	S25	165
S12	S26	220
S12	S27	170
S12	S28	245
S12	S29	280
S13	S14	25
S13	S15	50
S13	S20	160
S13	S21	160
S13	S22	110
S13	S23	60
S13	S24	85
S13	S25	130
S13	S26	245
S13	S27	145
S13	S28	220
S13	S29	255
S14	S15	95
S14	S20	1 90
S14	S21	185
S14	S22	135
S14	S23	85
S14	S24	60
S14	S25	105
S14	S26	270
S14	S27	120
S14	S28	195
S14	S29	230
S15	S20	210
S15	S21	205
S15	S22	155
S15	S23	105
S15	S24	60
S15	S25	85
S15	S26	295

JOB LAYOUT      WORK AREAS

S15	S27	145
S15	S28	170
S15	S29	205
S20	S21	45
S20	S22	95
S20	S23	145
S20	S24	195
S20	S25	240
S20	S26	120
S20	S27	265
S20	S28	340
S20	S29	370
S20	S22	50
S21	S23	100
S21	S24	150
S21	S25	195
S21	S26	115
S21	S27	225
S21	S28	290
S21	S29	330
S22	S23	50
S22	S24	100
S22	S25	143
S22	S26	165
S22	S27	175
S22	S28	240
S22	S29	280
S23	S24	50
S23	S25	95
S23	S26	215
S23	S27	125
S23	S28	190
S23	S29	230
S24	S25	45
S24	S26	265
S24	S27	100
S24	S28	140
S24	S29	180
S25	S26	310
S25	S27	145
S25	S28	95
S25	S29	135
S26	S27	120
S26	S28	270
S26	S29	250
S27	S28	115
S27	S29	110

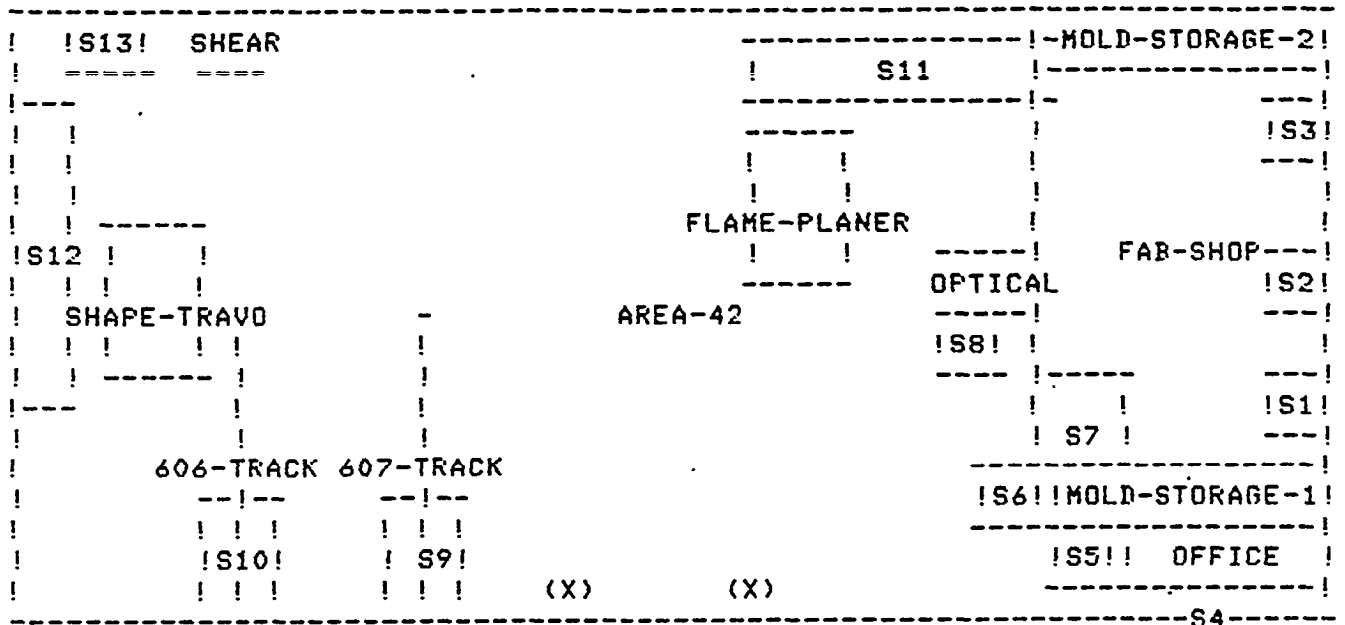
JOB LAYOUT - WORK AREAS

S29

20

# JOB LAYOUT - WORK AREAS

## ZONE-6-AREA-42-SQUARES



Name	Location		Body/Frag/PT
-----			
WORKPLACES:			
ZONE-6-AREA-42-SQUARES	35,21	0,0	
AREA-42	0,0	71,20	
FAB-SHOP	55,5	16,15	
MOLD-STORAGE-1	56,3	15,2	
MOLD-STORAGE-2	55,18	16,2	
OFFICE	60,1	11,2	
SHAPE-TRAVO	5,8	5,5	
SHEAR	10,18	3,2	
FLAME-PLANER	40,11	5,5	
OPTICAL	50,10	5,2	
606-TRACK	12,0	0,10	
607-TRACK	22,0	0,10	
S1	68,6	3,2	
S2	68,10	3,2	
S3	68,15	3,2	
S4	64,0	0,0	
S5	56,1	3,2	
S6	52,3	3,2	
S7	55,5	5,3	

# JOB LAYOUT - WORK AREAS

S8	50,8	3,2
S9	20,0	4,4
S10	10,0	4,4
S11	40,17	16,2
S12	0,7	3,10
S13	3,18	4,2

## OBJECTS:

PALLETS	AREA-42	FRAG
BOLSTERS	AREA-42	FRAG

## EQUIPMENT:

FRK-E	AREA-42	03T
FRK-L	AREA-42	01T
FRK-S	AREA-42	02T
SM-STRAD-E	AREA-42	06T
SM-STRU-L	AREA-42	04T
SM-STRAD-S	AREA-42	05T
LG-STRAD-E	AREA-42	09T
LG-STRAD-L	AREA-42	07T
LG-STRAD-S	AREA-42	08T

## OPERATORS:

FORK-DRIVER	AREA-42	30,1 B
STRADDLE-DRIVER	AREA-42	40,1

From	To	Steps
-----	-----	-----
ZONE-6-AREA-42-SQUARES	A R E A - 4 2	0
ZONE-6-AREA-42-SQUARES	FAB-SHOP	0
ZONE-6-AREA-42-SQUARES	MOLD-STORAGE-1	0
ZONE-6-AREA-42-SQUARES	MOLD-STORAGE-2	0
ZONE-6-AREA-42-SQUARES	OFFICE	0
ZONE-6-AREA-42-SQUARES	SHAPE-TRAVO	0
ZONE-6-AREA-42-SQUARES	SHEAR	0
ZONE-A-AREA-42-SQUARES	FLAME-PLANER	0
ZONE-6-AREA-42-SQUARES	OPTICAL	0
ZONE-6-AREA-42--SQUARES	606-TRACK	0
ZONE-6-AREA-42-SQUARES	607-TRACK	0
ZONE-6-AREA-42-SQUARES	S1	0
ZONE-6-AREA-42-SQUARES	S2	0
ZONE-6-AREA-42-SQUARES	S3	0
ZONE-6-AREA-42-SQUARES	S4	0
ZONE-A-AREA-42-SQUARES	S5	0
ZONE-6-AREA-42-SQUARES	S6	0

# JOB LAYOUT - WORK AREAS

ZONE-6-AREA-42-SQUARES	S7	0
ZONE-6-AREA-42-SQUARES	S8	0
ZONE-6-AREA-42-SQUARES	S9	0
ZONE-6-AREA-42-SQUARES	S10	0
ZONE-6-AREA-42-SQUARES	S11	0
ZONE-6-AREA-42-SQUARES	S12	0
ZONE-6-AREA-42-SQUARES	S13	0
AREA-42	FAB-SHOP	0
AREA-42	HOLD-STORAGE-1	0
AREA-42	MOLD-STORAGE-2	0
AREA-42	OFFICE	0
AREA-42	SHAPE-TRAVO	0
AREA-42	SHEAR	0
AREA-42	FLAME-PLANER	0
AREA-42	OPTICAL	0
AREA-42	606-TRACK	0
AREA-42	607-TRACK .	0
AREA-42	S1	0
AREA-42	S2	0
AREA-42	S3	0
AREA-42	S4	0
AREA-42.	S5	0
AREA-42	S6	0
AREA-42	S7	0
AREA-42	S8	0
AREA-42	S9	0
AREA-42	S10	0
AREA-42	S11	0
AREA-42	S12	0
AREA-42	S13	0
FAB-SHOP	MOLD-STORAGE-1	0
FAB-SHOP	MOLD-STORAGE-2	0
FAB-SHOP	OFFICE	0
FAB-SHOP	SHAPE-TRAVO	0
FAEI-SHOP	SHEAR	0
FAB-SHOP	FLAME-PLANER	0
FAB-SHOP	OPTICAL	0
FAB-SHOP	606-TRACK	0
FAB-SHOP	607-TRACK	0
FAB-SHOP	S1	0
FAB-SHOP	S2	0
FAB-SHOP	S3	0
FAB-SHOP	S4	0
FAB-SHOP	S51	0
FAB-SHOP .	S6	0
FAB-SHOP	S7	0
FAB-SHOP	S8	0

# JOB LAYOUT - WORK AREAS

FAB-SHOP	S9	0
FAB-SHOP	S10	0
FAB-SHOP	S11	0
FAB-SHOP	S12	0
FAB-SHOP	S13	0
MOLD-STORAGE-1	MOLD-STORAGE-2	0
MOLD-STORAGE-1	OFFICE	0
MOLD-STORAGE-1	SHAPE-TRAVO	0
MOLD-STORAGE-1	SHEAR	0
MOLD-STORAGE-1	FLAME-PLANER	0
MOLD-STORAGE-1	OPTICAL	0
MOLD-STORAGE-1	606-TRACK	0
MOLD-STORAGE-1	607-TRACK	0
MOLD-STORAGE-1	S1	0
MOLD-STORAGE-1	S2	0
MOLD-STORAGE-1	S3	0
MOLD-STORAGE-1	S4	0
MOLD-STORAGE-1	S5	0
MOLD-STORAGE-1	S6	0
MOLD-STORAGE-1	S7	0
MOLD-STORAGE-1	S8	0
MOLD-STORAGE-1	S9	0
MOLD-STORAGE-1	S10	0
MOLD-STORAGE-1	S11	0
MOLD-STORAGE-1	S12	0
MOLD-STORAGE-1	S13	0
MOLD-STORAGE-2	OFFICE	0
MOLD-STORAGE-2	SHAPE-TRAVO	0
MOLD-STORAGE-2	SHEAR	0
MOLD-STORAGE-2	FLAME-PLANER	0
MOLD-STORAGE-2	OPTICAL	0
MOLD-STORAGE-2	606-TRACK	0
MOLD-STORAGE-2	607-TRACK	0
MOLD-STORAGE-2	S1	0
MOLD-STORAGE-2	S2	0
MOLD-STORAGE-2	S3	0
MOLD-STORAGE-2	S 4	0
MOLD-STORAGE-2	S5	0
MOLD-STORAGE-2	S6	0
MOLD-STORAGE-2	S7	0
MOLD-STORAGE-2	S8	0
MOLD-STORAGE-2	S9	0
MOLD-STORAGE-2	S10	0
MOLD-STORAGE-2	S11	0
MOLD-STORAGE-2	S12~	0
MOLD-STORAGE-2	S13	0
OFFICE	SHAPE-TRAVO	0

# JOB LAYOUT - WORK AREAS

OFFICE	SHEAR	0
OFFICE	FLAKE-PLANER	0
OFFICE	OPTICAL	0
OFFICE	606-TRACK	0
OFFICE	607-TRACK	0
OFFICE	S1	0
OFFICE	S2	0
OFFICE	S3	0
OFFICE	S4	0
OFFICE	S5	0
OFFICE	S6	0
OFFICE	S7	0
OFFICE	S8	0
OFFICE	S9	0
OFFICE	S10	0
OFFICE	S11	0
OFFICE	S12	0
OFFICE	S13	0
SHAPE-TRAVO	SHEAR	0
SHAPE-TRAVO	FLAME-PLANER	0
SHAPE-TRAVO	OPTICAL	0
SHAPE-TRAVO	606-TRACK	0
SHAPE-TRAVO	607-TRACK	0
SHAPE-TRAVO	S1	0
SHAPE-TRAVO	S2	0
SHAPE-TRAVO	S3	0
SHAPE-TRAVO	S4	0
SHAPE-TRAVO	S5	0
SHAPE-TRAVO	S6	0
SHAPE-TRAVO	S7	0
SHAPE-TRAVO	S8	0
SHAPE-TRAVO	S9	0
SHAPE-TRAVO	S10	0
SHAPE-TRAVO	S11	0
SHAPE-TRAVO	S12	0
SHAPE-TRAVO	S13	0
SHEAR	FLAME-PLANER	0
SHEAR	OPTICAL	0
SHEAR	606-TRACK	0
SHEAR	607-TRACK	0
SHEAR	S1	0
SHEAR	S2	0
SHEAR	S3	0
SHEAR	S4	0
SHEAR	S5	0
SHEAR	S6	0
SHEAR	S7	0



# JOB LAYOUT - WORK AREAS

SHEAR	S8	0
SHEAR	S9	0
SHEAR	S10	0
SHEAR	S11	0
SHEAR	S 1 2	0
SHEAR	S13	0
FLAME-PLANER	OPTICAL	0
FLAHE-PLANER	606-TRACK	0
FLAME-PLANER	607-TRACK	0
FLAME-PLANER	S1	0
FLAME-PLANER	S2	0
FLAME-PLANER	S3	0
FLAME-PLANER	S4	0
FLAME-PLANER	S5	0
FLAME-PLANER	S6	0
FLAME-PLANER	S7	0
FLAME-PLANER	S8	0
FLAME-PLANER	S9	0
FLAME-PLANER	S10	0
FLAME-PLANER	S11	0
FLAME-PLANER	S12	0
FLAME-PLANER	S13	0
FLAME-FLANER	606-TRACK	0
OPTICAL	607-TRACK	0
OPTICAL	S1	0
OPTICAL	S2	0
OPTICAL	S3	0
OPTICAL	S4	0
OPTICAL	S5	0
OPTICAL	S6	0
OPTICAL	S7	0
OPTICAL	S8	0
OPTICAL	S9	0
OPTICAL	S10	0
OPTICAL	S11	0
OPTICAL	S12	0
OPTICAL	S13	0
606-TRACK	607-TRACK	0
606-TRACK	S1	0
606-TRACK	S2	0
606-TRACK	S3	0
606-TRACK	S4	0
606-TRACK	S5	0
606-TRACK	S6	0
606-TRACK	S7	0
606-TRACK	S8	0
606-TRACK	S9	0

# JOB LAYOUT - WORK AREAS

606-TRACK	S1o	0
606-TRACK	S11	0
606-TRACK	S12	0
606-TRACK	S13	0
607-TRACK	S1	0
607-TRACK	S2	0
607-TRACK	S3	0
607-TRACK	S4	0
607-TRACK	S5	0
607-TRACK	S6	0
607-TRACK	S7	0
607-TRACK	S8	0
607-TRACK	S9	0
607-TRACK	S1o	0
607-TRACK	S11	0
607-TRACK	S12	0
607-TRACK	S13	0
S1	S2	60
S1	S3	160
S1	S4	150
S1	S5	115
S1	S6 -	105
S1	S7	70
S1	S8	80
S1	S9	155
S1	S1o	195
S1	S11	255
S1	S12	365
S1	S13	485
S2	S3	100
S2	S4	220
S2	S5	250
S2	S6	260
S2	S7	300
S2	S8	340
S2	S9	100
S2	S1o	140
S2	S11	195
S2	S12	275
S2	S13	390
S3	S4	335
S3	S5	415
S3	S6	270
S3	S7	230
S3	S8	210
S3	S9	215
S3	S1o	2 4 0

JOB LAYOUT      WORK AREAS

S3	S11	110
S3	S12	175
S3	S13	295
S4	S5	35
S4	S6	60
S4	S7	95
S4	S8	120
S4	S9	195
S4	S10	235
S4	S11	290
S4	S12	375
S4	S13	495
S5	S6	20
S5	S7	55
S5	S8	90
S5	S9	165
S5	S10	205
S5	S11	260
S5	S12	335
S5	S13	455
S6	S7	35
S6	S8	65
S6	S9	110
S6	S10	150
S6	S11	205
S6	S12	280
S6	S13	400
S7	S8	80
S7	S9	120
S7	S10	160
S7	S11	215
S7	S12	290
S7	S13	410
S8	S9	80
S8	S10	120
S8	S11	175
S8	S12	250
S8	S13	370
S9	S10	40
S9	S11	95
S9	S12	170
S9	S13	290
S10	S11	135
S10	S12	130
S10	S13	250
S11	S12	75
S11	S13	195

JOB LAYOUT - WORK AREAS

S12

S13

## JOB LAYOUT - WORK AREAS

**ZONE-9**

[illegible]

Name	Location	Body/Frag/PT
WORKPLACES:		
ZONE-9	35,21	0,0
ROADWAY	35,0	8,20
POLICE	2,1	7,3
WAREHOUSE	10,0	23,2
BRKT	19,9	0,0
SHOP	17,7	5,3
ELECT-SHOP	22,7	11,3
PICKLER	49,7	0,0
BLDG	45,5	8,3
INSP	55,6	5,4
BLDG.	58,7	0,0
GARAGE	65,5	6,2
COPPER-SHOP	0,12	12,3
SHEET-METAL-SHOP	17,12	17,3
RIGGING	47,15	8,4
DEPT	49,16	0,0
OUTSIDE-MACH	59,15	12,4
SHOP	63,16	0,0
AREA-51	0?11--	13,0

# JOB LAYOUT - WORK AREAS

AREA-60	58,14	13,0
AREA-65	46,14	10,0
AREA-70	10,6	25,0
AREA-74	0,10	35,10
AREA-84	0,0	34,5
AREA-87	55,5	16,8
AREA-91	45,4	10,0

## OBJECTS:

PALLETS	ZONE-9	FRAG
BOLSTERS	ZONE-9	FRAG

## EQUIPMENT:

FRK-E	ROADWAY	03T
FRK-L	ROADWAY	01T
FRK-S	ROADWAY	02T
SM-STRAD-E	ROADWAY	06T
SM-STRAD-L	ROADWAY	04T
SM-STRAD-S	ROADWAY	05T
LG-STRAD-E	ROADWAY	09T
LG-STRAD-L	ROADWAY	07T
LG-STRAD-S	ROADWAY	08T

## OPERATORS:

FORK-DRIVER	ROADWAY	40,3 B
STRADDLE-DRIVER	ROADWAY	40,5

From	To	Steps
-----	-----	-----
ZONE-9	ROADWAY	0
ZONE-9	POLICE	0
ZONE-9	WAREHOUSE	0
ZONE-9	BRKT	0
ZONE-9	SHOP	0
ZONE-9	ELECT-SHOP	0
ZONE-9	PICKLER	0
ZONE-9	BLDG	0
ZONE-9	INSP	0
ZONE-9	BLDG.	0
ZONE-9	GARAGE	0
ZONE-9	COPPER-SHOP	0
ZONE-9	SHEET-METAL-SHOP	0
ZONE-9	RIGGING	0
ZONE-9	DEPT	0
ZONE-9	OUTSIDE-MACH	0

# JOB LAYOUT - WORK AREAS

ZONE-9	SHOP 1	0
ZONE-9	AREA-51	0
ZONE-9	AREA-60	0
ZONE-9	AREA-65	0
ZONE-9	AREA-70	0
ZONE-9	AREA-74	0
ZONE-9	AREA-84	0
ZONE-9	AREA-87	0
ZONE-9	AREA-91	0
ROADWAY	POLICE	0
ROADWAY	WAREHOUSE	0
ROADWAY	BRKT	0
ROADWAY	SHOP	0
ROADWAY	ELECT-SHOP	0
ROADWAY	PICKLER	0
ROADWAY	BLDG	0
ROADWAY	INSP	0
ROADWAY	BLDG.	0
ROADWAY	GARAGE	0
ROADWAY	COPPER-SHOP	0
ROADWAY	SHEET-METAL-SHOP	0
ROADWAY	RIGGING	0
ROADWAY	DEFT	0
ROADWAY	OUTSIDE-MACH	0
ROADWAY	SHOP.	0
ROADWAY	AREA-51	0
ROADWAY	AREA-60	0
ROADWAY	AREA-65	0
ROADWAY	AREA-70	0
ROADWAY	AREA-74	0
ROADWAY	AREA-84	0
ROADWAY	AREA-87	0
ROADWAY	AREA-91	0
POLICE	WAREHOUSE	0
POLICE	BRKT	0
POLICE	SHOP	0
POLICE	ELECT-SHOP	0
POLICE	PICKLER	0
POLICE	BLBG	0
POLICE	INSP	0
POLICE	BLDG.	0
POLICE	GARAGE	0
POLICE	COPPER-SHOP	0
POLICE	SHEET-METAL-SHOP	0
POLICE	RIGGING	0
POLICE	DEPT	0
POLICE	OUTSIDE-MACH	0

# JOB LAYOUT - WORK AREAS

POLICE	SHOP 1	0
POLICE	AREA-51	0
POLICE	AREA-60	0
POLICE	AREA-65	0
POLICE	AREA-70	0
POLICE	AREA-74	0
POLICE	AREA-84	0
POLICE	AREA-87	0
POLICE	AREA-91	0
WAREHOUSE	BRKT	0
WAREHOUSE	SHOP	0
WAREHOUSE	ELECT-SHOP	0
WAREHOUSE	PICKLER	0
WAREHOUSE	BLDG	0
WAREHOUSE	INSP	0
WAREHOUSE	BLUG .	0
WAREHOUSE	GARAGE	0
WAREHOUSE	COPPER-SHOP	0
WAREHOUSE	SHEET-METAL-SHOP	0
WAREHOUSE	RIGGING	0
WAREHOUSE	DEPT	0
WAREHOUSE	OUTSIDE-MACH	0
WAREHOUSE	SHOP .	0
WAREHOUSE	AREA-51	0
WAREHOUSE	AREA-60	0
WAREHOUSE	AREA-65	0
WAREHOUSE	AREA-70	0
WAREHOUSE	AREA-74	0
WAREHOUSE	AREA-84	0
WAREHOUSE	AREA-87	0
WAREHOUSE	AREA-91	0
BRKT	SHOP	0
BRKT	ELECT-SHOP	0
BRKT	PICKLER	0
BRKT	BLDG	0
BRKT	INSP	0
BRKT	BLDG.	0
BRKT	GARAGE	0
BRKT	COPPER-SHOP	0
BRKT	SHEET-METAL-SHOP	0
BRKT	RIGGING	0
BRKT	DEPT	0
BRKT	OUTSIDE-MACH	0
B R K T	SHOP ,	0
B R K T	AREA-51	0
BRKT	AREA-60	0
BRKT .	AREA-65	0



# JOB LAYOUT - WORK AREAS

BRKT	AREA-70	0
BRKT	AREA-74	0
BRKT	AREA-84	0
BRNT	AREA-87	0
BRKT	AREA-91	0
SHOP	ELECT-SHOP	0
SHOP	PICKLER	0
SHOP	BLDG	0
SHOP	INSP	0
SHOP	BLDG .	0
SHOP	GARAGE	0
SHOP	COPPER-SHOP	0
S H O P	SHEET-METAL-SHOP	0
SHOP	RIGGING	0
SHOP	DEPT	0
SHOP	OUTSIDE-MACH	0
SHOP	SHOP 1	0
SHOP	AREA-51	0
SHOP	AREA-60	0
SHOP	AREA-65	0
SHOP	AREA-70	0
SHOP	AREA-74	0
SHOP	AREA-84	0
SHOP	AREA-87	0
SHOP	AREA-91	0
ELECT-SHOP	PICKLER	0
ELECT-SHOP	BLDG	0
ELECT-SHOP	INSP	0
ELECT-SHOP	BLUG.	0
ELECT-SHOP	GARAGE	0
ELECT-SHOP	COPPER-SHOP	0
ELECT-SHOP	SHEET-METAL-SHOP	0
ELECT-SHOP	RIGGING	0
ELECT-SHOP	DEPT	0
ELECT-SHOP	OUTSIDE-MACH	0
ELECT-SHOP	SHOP .	0
ELECT-SHOP	AREA-51	0
ELECT-SHOP	AREA-60	0
ELECT-SHOP	AREA-65	0
ELECT-SHOP	AREA-70	0
ELECT-SHOP	AREA-74	0
ELECT-SHOP	AREA-84	0
ELECT-SHOP	AREA-87	0
ELECT-SHOP	AREA-91	0
PICKLER	BLDG	0
PICKLER	INSP	0
PICKLER	B L D G	0

# JOB LAYOUT - WORK AREAS

PICKLER	GARAGE	0
PICKLER	COPPER-SHOP	0
PICKLER	SHEET-METAL-SHOP	0
PICKLER	RIGGING	0
PICKLER	DEPT	0
PICKLER	OUTSIDE-MACH	0
PICKLER	SHOP .	0
PICKLER	AREA-51	0
PICKLER	AREA-60	0
PICKLER	AREA-65	0
PICKLER	AREA-70	0
PICKLER	AREA-74	0
PICKLER	AREA-84	0
PICKLER	AREA-87	0
PICKLER	AREA-91	0
BLDG	INSP	0
BLDG	BLDG .	0
BLDG	GARAGE	0
BLDG	COPPER-SHOP	0
BLDG	SHEET-METAL-SHOP	0
BLDG	RIGGING	0
BLDG	DEPT	0
BLDG	OUTSIDE-MACH	0
BLDG	SHOP 1	0
BLDG	AREA-51	0
BLDG	AREA-60	0
B L D G	AREA-65	0
BLDG	AREA-70	0
BLDG	AREA-74	0
BLUG	AREA-84	0
BLDG	AREA-87	0
BLDG	AREA-91	0
INSP	BLDG 1	0
INSP	GARAGE	0
INSP	COPPER-SHOP	0
INSP	SHEET-METAL-SHOP	0
INSP	RIGGING	0
INSP	DEPT	0
INSP	OUTSIDE-MACH	0
INSP	SHOP .	0
INSP	AREA-51	0
INSP	AREA-60	0
INSP	AREA-65	0
INSP	AREA-70	0
INSP	AREA-74	0
INSP	AREA-84	0
INSP	AREA-87	0

# JOB LAYOUT - WORK AREAS

INSP	AREA-91	0
BLDG.	GARAGE	0
BLDG .	COPPER-SHOP	0
BLDG.	SHEET-METAL-SHOP	0
BLDG.	RIGGING	0
BLDG.	. DEPT	0
BLDG.	OUTSIDE-MACH	0
BLDG.	SHOP.	0
BLDG.	AREA-51	0
BLDG.	AREA-60	0
BLDG .	AREA-65	0
BLDG.	AREA-70	0
BLDG.	AREA-74	0
BLDG.	AREA-84	0
BLDG.	AREA-87	0
BLDG .	AREA-91	0
GARAGE	COPPER-SHOP	0
GARAGE	SHEET-METAL-SHOP	0
GARAGE	RIGGING	0
GARAGE	DEPT	0
GARAGE	OUTSIDE-MACH	0
GARAGE	SHOP 1	0
GARAGE	. AREA-51	0
GARAGE	AREA-60	0
GARAGE	AREA-65	0
GARAGE	AREA-70	0
GARAGE	AREA-74	0
GARAGE	AREA-84	0
GARAGE	AREA-87	0
GARAGE	AREA-91	0
COPPER-SHOP	SHEET-METAL-SHOP	0
COPPER-SHOP	RIGGING	0
COPPER-SHOP	DEPT	0
COPPER-SHOP	OUTSIDE-MACH	0
COPPER-SHOP	SHOP. -	0
COFFER-SHOP	AREA-51	0
COFFER-SHOP	AREA-60	0
COPPER-SHOP	AREA-65	0
COPPER-SHOP	AREA-70	0
COPPER-SHOP	AREA-74	0
COPPER-SHOP	AREA-84	0
COPPER-SHOP	AREA-87	0
COPPER-SHOP	AREA-91	0
SHEET-METAL-SHOP	RIGGING	0
SHEET-METAL-SHOP	DEPT	0
SHEET-METAL-SHOP	OUTSIDE-MACH	0
SHEET-METAL-SHOP	SHOP.	0

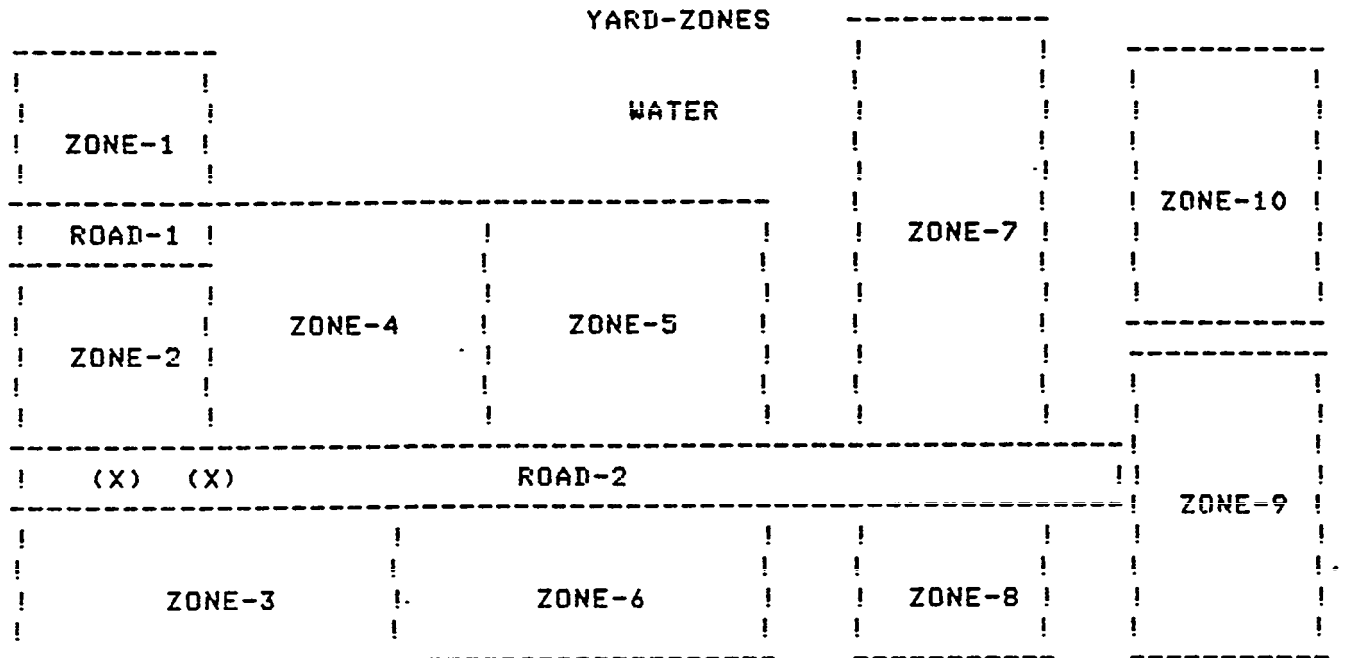
# JOB LAYOUT - WORK AREAS

SHEET-METAL-SHOP	AREA-51	0
SHEET-METAL-SHOP	AREA-60	0
SHEET-METAL-SHOP	AREA-63	0
SHEET-METAL-SHOP	AREA-70	0
SHEET-METAL-SHOP	AREA-74	0
SHEET-METAL-SHOP	AREA-84	0
SHEET-METAL-SHOP	AREA-87	0
SHEET-METAL-SHOP	AREA-91	0
RIGGING	DEPT	0
RIGGING	OUTSIDE-MACH	0
RIGGING	SHOP 1	0
RIGGING	AREA-51	0
RIGGING	AREA-60	0
RIGGING	AREA-65	0
RIGGING	AREA-70	0
RIGGING	AREA-74	0
RIGGING	AREA-84	0
RIGGING	AREA-87	0
RIGGING	AREA-91	0
DEPT	OUTSIDE-MACH	0
DEPT	SHOP 1	0
DEPT	AREA-51	0
DEPT	AREA-60	0
DEPT	AREA-65	0
DEPT	AREA-70	0
DEPT	AREA-74	0
DEPT	AREA-84	0
DEPT	AREA-87	0
DEPT	AREA-91	0
OUTSIDE-MACH	SHOP 1	0
OUTSIDE-MACH	AREA-51	0
OUTSIDE-MACH	AREA-60	0
OUTSIDE-MACH	AREA-65	0
OUTSIDE-MACH	AREA-70	0
OUTSIDE-MACH	AREA-74	0
OUTSIDE-MACH	AREA-84	0
OUTSIDE-MACH	AREA-87	0
OUTSIDE-MACH	AREA-91	0
SHOP.	AREA-51	0
SHOP.	AREA-60	0
SHOP.	AREA-65	0
SHOP.	AREA-70	0
SHOP.	AREA-74	0
SHOP.	AREA-84	0
SHOP 1	AREA-87	0
SHOP .	AREA-91	0
AREA-51	AREA-60	385

# JOB LAYOUT - WORK AREAS

AREA-51	AREA-65	350
AREA-51	AREA-70	110
AREA-51	AREA-74	165
AREA-51	AREA-84	165
AREA-51	AREA-87	350
AREA-51	AREA-91	285
AREA-60	AREA-65	155
AREA-60	AREA-70	305
AREA-60	AREA-74	210
AREA-60	AREA-84	345
AREA-60	AREA-87	265
AREA-60	AREA-91	235
AREA-65	AREA-70	290
AREA-65	AREA-74	190
AREA-65	AREA-84	320
AREA-63	AREA-87	240
AREA-65	AREA-91	210
AREA-70	AREA-74	100
AREA-70	AREA-84	45
AREA-70	AREA-87	140
AREA-70	AREA-91	130
AREA-74	AREA-84	135
AREA-74	AREA-87	190
AREA-74	AREA-91	180
AREA-84	AREA-87	185
AREA-84	AREA-91	155
AREA-87	AREA-91	80

# JOB LAYOUT - WORK AREAS



Name	Location		Body/Frag/PT
-----			
WORKPLACES:			
YARD-ZONES	35,21	0,0	
ROAD-1	0,13	10,2	
ROAD-2	0,5	59,2	
WATER	35,18	0,0	
ZONE-1	0,15	10,5	
ZONE-2	0,7	10,6	
ZONE-3	0,0	20,5	
ZONE-4	10,7	15,8	
ZONE-5	25,7	15,8	
ZONE-6	20,0	20,5	
ZONE-7	45,7	10,14	
ZONE-8	45,0	10,5	
ZONE-9	60,0	10,10	
ZONE-10	60,11	10,9	
OBJECTS:			
PALLETS	YARD-ZONES		FRAG
BOLSTERS	YARD-ZONES		FRAG
UNITS	YARD-ZONES		FRAG

# JOB LAYOUT - WORK AREAS

## EQUIPMENT:

FRK-E	YARD-ZONES	03T
FRK-L	YARD-ZONES	01T
FRK -S	YARD-ZONES	02T
STRAD-E	YARD-ZONES	06T
<sup>c</sup> STRD-L	YARD-ZONES	04T
SM-STRAD-S	YARD-ZONES	05T
LG-STRAD-E	YARD-ZONES	09T
LG-STRAD-L	YARD-ZONES	07T
LG-STRAD-S	YARD-ZONES	08T

## OPERATORS:

FORK-DRIVER	ROAD-2	5,6
STRADDLE-DRIVER	ROAD-2	10,6 B

From	To	Steps
-----	-----	-----
YARD-ZONES	ROAD-1	0
YARD-ZONES	ROAD-2	0
YARD-ZONES	WATER	0
YARD-ZONES	ZONE-1	0
YARD-ZONES	ZONE-2	0
YARD-ZONES	ZONE-3	0
YARD-ZONES	ZONE-4	0
YARD-ZONES	ZONE-5	0
YARD-ZONES	ZONE-6	0
YARD-ZONES	ZONE-7	0
YARD-ZONES	ZONE-8	0
YARD-ZONES	ZONE-9	0
YARD-ZONES	ZONE-10	0
ROAD-1	ROAD-2	0
ROAD-1.	WATER	0
ROAD-1	ZONE-1	0
ROAD-1	ZONE-2	0
ROAD-1	ZONE-3	0
ROAD-1	ZONE-4	0
ROAD-1	ZONE-5	0
ROAD-1	ZONE-6	0
ROAD-1	ZONE-7	0
ROAD-1	ZONE-8	0
ROAD-1	ZONE-9	0
ROAD-1	ZONE-10	0
ROAD-2	WATER	0
ROAD-2	ZONE-1	0

# JOB LAYOUT - WORK AREAS

ROAD-2	ZONE-2	0
ROAD-2	ZONE-3	0
ROAD-2	ZONE-4	0
ROAD-2	ZONE-5	0
ROAD-2	ZONE-6	0
ROAD-2	Z O N E - 7	0
ROAD-2	ZONE-8	0
ROAD-2	ZONE-9	0
ROAD-2	ZONE-10	0
WATER	ZONE-1	0
WATER	ZONE-2	0
WATER	ZONE-3	0
WATER	ZONE-4	0
WATER	ZONE-5	0
WATER	ZONE-6	0
WATER	ZONE-7	0
WATER	ZONE-8	0
WATER	ZONE-9	0
WATER	ZONE-10	0
-ZONE-1	ZONE-2	640
ZONE-1	ZONE-3	760
ZONE-1	ZONE-4	1190
ZONE-1	ZONE-5	1250
ZONE-1	ZONE-6	1180
ZONE -1	ZONE-7	1640
ZONE-1	ZONE-8	1560
ZONE-1	ZONE-9	1880
ZONE-1	ZONE-10	2240
ZONE-2	ZONE-3	500
ZONE-2	ZONE-4	580
ZONE-2	ZONE-5	930
ZONE-2	ZONE-6	870
ZONE-2	ZONE-7	1340
ZONE-2	ZONE-8	1150
ZONE-2	ZONE-9	1540
ZONE-2	ZONE-10	1910
ZONE-3	ZONE-4	650
ZONE-3	ZONE-5	940
ZONE-3	ZONE-6	810
ZONE-3	ZONE-7	1290
ZONE-3	ZONE-8	1180
ZONE-3	ZONE-9	1570
ZONE-3	ZONE-10	1960
ZONE-4	ZONE-5	600
ZONE-4	ZONE-6	610
ZONE-4	ZONE-7	1250
ZONE-4	ZONE-8	1140



# JOB LAYOUT - WORK AREAS

ZONE-4	ZONE-9	1330
ZONE-4	ZONE-10	1730
ZONE-5	ZONE-6	650
ZONE-5	ZONE-7	1000
ZONE-5	ZONE-8	880
ZONE-5	ZONE-9	1080
ZONE-5	ZONE-10	1470
ZONE-6	ZONE-7	1030
ZONE-6	ZONE-8	910
ZONE-6	ZONE-9	1130
ZONE-6	ZONE-10	1480
ZONE-7	ZONE-8	470
ZONE-7	ZONE-9	940
ZONE-7	ZONE-10	1310
ZONE-8	ZONE-9	820
ZONE-8	ZONE-10	1190
ZONE-9	ZONE-10	810

SECTION 3  
MANUAL METHODS

1140. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-3 USING LG-STRAD-E TO ZONE-4

1141. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-3 USING LG-STRAD-E TO ZONE-4

1142. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-3 USING LG-STRAD-E TO ZONE-4

## MANUAL METHODS

1143. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-5 USING LG-STRAD-E TO ZONE-6

1144. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-5 USING- LG-STRADD-E TO ZONE-7

1145. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-5 USING LG-STRAD-E TO ZONE-9

MANUAL METHODS

1146. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION .

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-5 USING LG-STRAD-E TO ZONE-1

1147. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-6 USING LG-STRAD-E TO ZONE-8

1148. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS-ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-7

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-7 USING LG-STRAD-E TO ZONE-8

MANUAL METHODS

1149. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-7

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-7 USING LG-STRAD-E TO ZONE-10

1150. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-8 USING LG-STRAD-E TO ZONE-9

1151. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER( BEGINS AT ZONE-8

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-8 USING LG-STRAD-E TO ZONE-10

MANUAL METHODS

1152, TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-9

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-9 USING LG-STRAD-E TO ZONE-

1153. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S8

1 TRANSPORT PALLET ( EMPTY ) FROM S8 USING LG-STRAD-E TO S21

1154. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT S7

1 TRANSPORT PALLET ( EMPTY ) FROM S7 USING LG-STRAD-E TO S10

MANUAL METHODS

1155. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-84

1 TRANSPORT PALLET ( EMPTY ) FROM AREA-84 USING LG-STRAD-E TO AREA-87

995. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING LG-STRAD-L TO ZONE-7 LOWER

1005, TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING LG-STRAD-L TO ZONE-6 LOWER

## MANUAL METHODS

1009. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5  
  
1 TRANSPORT PALLET RAISE FROM ZONE-5 USING LG-STRAD-L TO ZONE-10 LOW
1013. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-6  
  
1 TRANSPORT PALLET RAISE FROM ZONE-6 USING LG-STRAD-L TO ZONE-10 LOW
1014. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-7  
  
1 TRANSPORT PALLET RAISE FROM ZONE-7 USING LG-STRAD-L TO ZONE-8 LOW



MANUAL METHODS

1018. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET RAISE FROM ZONE-8 USING LG-STRAD-L TO ZONE-10 LOWER

1039. TRANSPORT PALLET ON (LARGE) S.STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIUER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING LG-STRAD TO ZONE-6 LOWER

1051. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEHENT OF A SECURE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIUER BEGINS AT ZONE-5

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING LG-STRAD-S TO ZONE-7 LOWER

## MANUAL METHODS

1052. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING LG-STRAD-S TO ZONE-8 LOW

1058. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARI  
TRANSPORTATION

PER HOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET RAISE FROM ZONE-6 USING LG-STRAD-S TO ZONE-10 LOW

1063, TRANSPORT PALLET ON (LARGE) astraddle CARRIER (SECURE) AT ANY SHIPYARI  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\*REPRESENTS MOVEMENT OF A SECURE LOADED

\* LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET RAISE FROM ZONE-8 USING LG-STRAD-S TO ZONE-10 LOW

MANUAL METHODS

1064. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEHENT OF A SECURE LOADED

\* ...LAFiGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-9

1 TRANSPORT PALLET RAISE FROM ZONE-9 USING LG-STRAD-S TO ZONE-10 LOWER

SECTION 4  
STANDARD TIME CALCULATION

4.1 TITLE SHEETS

TRANSPORT PALLET ON (LG) STRADDLE CARRIER AT ANY SHIPYARD TR

Titlesheet Orsganization List

Move

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1140. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1141. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1142. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1143. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1144. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1145. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1146. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1147. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1148. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1149. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD

STANDARD TIME CALCULATION

TRANSPORTATION  
REPRESENTS ELAPSED TIME

1150. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1151. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1152. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1153. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER -(EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1154. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1155. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
995. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1005. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1009. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
1013. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
10144. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME

STANDARD TIME CALCULATION

- 1018. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1039. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1051 1 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1052. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1058. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1063. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION  
REPRESENTS ELAPSED TIME
- 1064. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION  
REPRESENTS ELAPSED TIME

## STANDARD TIME CALCULATION

### 4.2 HOW TO CALCULATE TIME STANDARDS

#### M O S T OPERATION TIME CALCULATION

DETAIL/UNIT/F'ART	X	REV. LTR/DATE	X
PROCESS/OPER CODE	OPERATE	STANDARD CODE	X
PART NAME	LARGE STRADDLE CARRIER		
SHIP CLASS	X	HULL	X
COST CLASS/JOB #	X	TRADE	TRANSPORTATION
GROUP (UNIT/ZONE)	X	WORK AREA	SHIPYARD
SUB-GROUP	X	WORK ZONE	X
SUB-SUB-GROUP	X	WORK CENTER	X
CREW/MACHINE	1 DRIVER	ASSET/MACHINE	X
ITEM	X	SUB-ITEM	X
GEN. DRAWING	X	WORK ORDER	X
DET, DRAWING	X	SHEET	1
WORK PACKAGE	X	APPLICATOR	PP
OPER. DESCRIPTION	OPERATE LARGE STRADDLE CARRIER ON A TYPICAL DAY		
	7:30 AM TO 12:00 NOON		
DATE	25-JUL-83	ISSUE #	1

Step	Method Instruction	Free

1 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1155)  
 MPTY )

- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...LARGE STRADDLE CARRIER
- \* 9-84-1 TO 9-87-5 TO GAS PUMP
- \* FILL GAS TANK

# STANDARD TIME CALCULATION

- 2 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 11,50)  
MPTY )  
  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
\* 9-87-5 TO 8-58-7 TO BOILER SHOP
- 3 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (S( 1063)  
ECURE)  
  
\* REPRESENTS MOVEMENT OF A SECURE LOADED  
\* ...LARGE STRADDLE CARRIER  
\* 8-58-7 TO 10-5-1 TO DUMP  
\* PLATFORM - EMPTY
- 4 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1151)  
MPTY )  
  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
\* 10-5-1 TO 8-58-7 TO BOILER SHOP
- 5 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (S( 1052)  
ECURE)  
  
\* REPRESENTS MOVEMENT OF A SECURE LOADED  
\* ...LARGE STRADDLE CARRIER  
\* 8-58-7 TO 5-34-8 TO 34 AREA  
\* PLATFORM - PLATE
- 6 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1153)  
MPTY)  
  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
\* 5-34-8 TO 5-34-21
- 7 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (L( 1005)  
00SE)  
  
\* REPRESENTS )MOVEMENT OF A LOOSE LOADED  
\* ...LARGE STRADDLE CARRIER  
\* 5-34-21 TO 6-42-2 TO FAB SHOP  
\* SKIDS - PLATES
- 8 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1143)  
MPTY)  
  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
\* 6-42-2 TO 5-34-21 TO 34 AREA
- 9 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1143)  
MPTY)



# STANDARD TIME CALCULATION

- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...LARGE STRADDLE CARRIER
- \* 5-34-21 TO 6-42-7 TO FAB SHOP
- 10 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (S( 1039)  
ECURE )
- \* REPRESENTS MOVEMENT OF A SECURE LOADED
- \* ...LARGE STRADDLE CARRIER
- \* 6-42-7 TO 3-6-1 TO 602 TRACK
- \* PLATE RACK - PLATES
- 11 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1141)  
MPTY)
- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...LARGE STRADDLE CARRIER
- \* 3-6-1 TO 6-42-7 TO FAB SHOP
- 12 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1147)  
MPTY)
- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...LARGE STRADDLE CARRIER
- \* 6-42-7 TO 8-58-4 TO BOILER SHOP
- \* LOCAL LIFTS
- 13 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1148)  
MPTY)
- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...LARGE STRADDLE CARRIER
- \* 8-58-4 TO 7-52-14 TO PIPE SHOP
- 14 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (L( 1014)  
00SE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...LARGE STRADDLE CARRIER
- \* 7-52-14 TO 8-58-4 TO BOILER SHOP
- \* SKIDS - PLATES
- 15 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (L( 1018)  
00SE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...LARGE STRADDLE CARRIER
- \* 8-58-4 TO 10-6-2 TO 1-TRACK
- \* SCRAP-PAN
- 16 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (S( 1058)  
ECURE)

## STANDARD TIME CALCULATION

- \* REPRESENTS MOVEMENT OF A SECURE LOADED
- \* ... LARGE STRADDLE CARRIER
- \* 10-6-2 TO 6-42-7 TO FAB SHOP
- \* PLATE RACK - EMPTY
- 17 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1154)  
MPTY )
- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...LARGE STRADDLE CARRIER
- \* 6-42-7 TO 6-42-10
- 18 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (L( 1013)  
OOSE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...LARGE STRADDLE CARRIER
- \* 6-42-10 TO 10-5-1 TO DUMP
- \* PLATFORM - SCRAP-PANS
- 19 TRANSPORT PALLET ON (LARGE) STRASDDLE CARRIER (S( 1064)  
ECURE)
- \* REPRESENTS MOVEMENT OF A SECURE LOADED
- \* ...LARGE STRADDLE CARRIER
- \* 10-5-1 TO 9-84-1 TO WAREHOUSE
- \* PLATFOM - EMPTY
- 20 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1152)  
MPTY )
- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...LARGE STRADDLE CARRIER
- \* 9-84-1 TO 10-5-1 TO DUMP
- \* LIFT NOT THERE
- 21 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1152)  
MPTY)
- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...LARGE STRADDLE CARRIER
- \* 10-5-1 TO 9-87-5 TO GARAGE
- \* LUNCH

# STANDARD TIME CALCULATION

## M O S T OPERATION TIME CALCULATION

STEP	SA	FREQ	INTERNAL TMU	EXTERNAL TMU	LOC #
1	0.00	1.00		6300.	1155
2	0.00	1.00		8500.	1150
3	0.00	1.00		19700.	1063
4	0.00	1.00		9800.	1151
5	0.00	1.00		17600.	1052
6	0.00	1.00		5500.	1153
7	0.00	5.00		77500.	1005
8	0.00	5.00		36500.	1143
9	0.00	1.00		7300.	1143
10	0.00	4.00		70400.	1039
11	0.00	4.00		34000.	1141
12	0.00	1.00		8500.	1147
13	0.00	1.00		7300.	1148
14	0.00	1.00		15500.	1014
15	0.00	1.00		19700.	1018
16	0.00	1.00		22000.	1058
17	0.00	1.00		6300.	1154
18	0.00	1.00		22000.	1013
19	0.00	1.00		17600.	1064
20	0.00	1.00		8500.	1152
21	0.00	1.00		8500.	1152

MANUAL TIME(TMU)

0. 429000.

ACTUAL PROCESS TIME(TMU)

0. 0.

FACTORED PROCESS TIME(TMU)

0.

TOTAL INTERNAL TIME(TMU)

0.

TITLE SHEET USED IN SETTING STANDARD: 0

# STANDARD TIME CALCULATION

## M O S T OPERATION TIME CALCULATION

### Engineered Operation Time Calculation

Type of Work	Elemental Time	Percent Allowance	Allowance Time	Standard Time
EXTERNAL MANUAL	4.290		0.000	4.290
ASSIGNEE INTERNAL	( 0.000 )	( )	( 0.000 )	( 0.000 )
PROCESS TIME	0.000		0.000	0.000
STANDARD(HRS./CYCLE)	4.290		0.000	4.290
PIECES PER CYCLE	1			
STANDARD HOURS				4.3

# STANDARD TIME CALCULATION

## M O S T OPERATION TIME CALCULATION

DETAIL/UNIT/PART	x	REV. LTR/DATE	x
-----		-----	
PROCESS/OPER CODE	OPERATE	STANDARD CODE	x
-----		-----	
PART NAME	LARGE STRADDLE CARRIER		
-----			
SHIP CLASS	x	HULL	x
-----		-----	
COST CLASS/JOB #	x	TRADE	TRANSPORTATION
-----		-----	
GROUP (UNIT/ZONE)	x	WORK AREA	SHIPYARD
-----		-----	
SUB-GROUP	x	WORK ZONE	x
-----		-----	
SUB-SUB-GROUP	x	WORK CENTER	x
-----		-----	
CREW/MACHINE	1 DRIVER	ASSET/MACHINE	x
-----		-----	
ITEM	x	SUB-ITEM	x
-----		-----	
GEN. DRAWING	x	WORK ORDER	x
-----		-----	
DET. DRAWING	x	SHEET	1
-----		-----	
WORK PACKAGE	x	APPLICATOR	PP
-----		-----	
OPER. DESCRIPTION	OPERATE LARGE STRADDLE CARRIER ON A TYPICAL DAY		
-----			
12:30 PM TO 4:00 PM			
-----			
DATE	25-JUL-83	ISSUE #	1
-----		-----	

Stem	Method	Instruction	Free
-----	-----	-----	-----

1 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1145)  
MPTY)

\* REPRESENTS MOUEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

\* 9-87-5 TO 5-34-21 TO 34 AREA

TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (L( 1005)  
00SE)

# STANDARD TIME CALCULATION

- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...LARGE STRADDLE CARRIER
- \* 5-34-21 TO 6-42-3 TO FAB SHOP
- \* SKIDS - PLATES
- 3 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1143)  
MPY )
- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...LARGE STRADDLE CARRIER
- \* 6-42-3 TO 5-34-21 TO 34 AREA
- 4 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (S( 1052)  
ECURE)
- \* REPRESENTS MOVEMENT OF A SECURE LOADED
- \* ...LARGE STRADDLE CARRIER
- \* 5-34-21 TO 8-58-4 TO BOILER SHOP
- \* PLATE RACK - PLATES
- 15 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1142)  
MPY )
- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...LARGE STRADDLE CARRIER
- \* 8-58-4 TO 3-1-1 TO PLATE BLASTER
- 6 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (L( 995)  
00SE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...LARGE STRADDLE CARRIER
- \* 3-1-1 TO 7-75-3 TO PAINT SHOP
- \* PLATFORM - PAINT
- 7 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1149)  
MPY)
- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ....LARGE STRADDLE CARRIER
- \* 7-75-3 TO 10-5-1 TO DUMP
- 8 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (L( 1009)  
00SE)
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...LARGE STRADDLE CARRIER
- \* 10-5-1 TO 5-34-10 TO 34 AREA
- \* PLATFORM - TOOL BOXES
- 9 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1144)  
MPY )
- \* REPRESENTS MOVEMENT OF AN EMPTY

STANDARD TIME CALCULATION

...LARGE STRADDLE CARRIER  
\* 5-34-10 TO 7-75-3 TO PAINT. SHOP  
10 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (S( 1051)  
ECURE)  
  
\* REPRESENTS MOVEMENT OF A SECURE LOADED  
\* ...LARGE STRADDLE CARRIER  
\* 7-75-3 TO 5-34-25 TO 34 AREA  
\* PLATFORM - EMPTY  
11 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1146)  
MPY)  
  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
\* 5-34-25 TO 10-5-1 TO DUMP  
12 TRANSPORT PALLET (1N (LARGE) STRADDLE CARRIER (L( 1018)  
00SE )  
  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...LARGE STRADDLE CARRIER  
\* 10-5-1 TO 8-58-8 TO BOILER SHOP  
\* PLATFORM - EMPTY SCRAP-PANS  
13 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1147)  
MPY)  
  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
\* 8-58-8 TO 6-42-3 TO FAB SHOP  
\* LIFT NOT THERE  
14 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1143)  
MPY)  
  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
\* 6-42-3 TO 5-34-21 TO 34 AREA  
15 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (L( 1005)  
00SE)  
  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...LARGE STRADDLE CARRIER  
\* 5-34-21 TO 6-42-3 TO FAB SHOP  
\* SKIDS - PLATES  
16 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1141)  
MPY)  
  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER

STANDARD TIME CALCULATION

- \* 6-42-3 TO 3-2-3 TO 602 TRACK
- \* LOCAL LIFTS
- 17 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1140)  
MPTY)
- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...LARGE STRADDLE CARRIER
- \* 3-2-3 TO 5-34-26 TO 34 AREA
- 18 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (L( 1009)  
OOSE )
- \* REPRESENTS MOVEMENT OF A LOOSE LOADED
- \* ...LARGE STRADDLE CARRIER
- \* 5-34-26 TO 10-5-1 TO DUMP
- \* PLATFORM - SCRAP-PANS
- 19 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1152)  
MPTY)
- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...LARGE STRADDLE CARRIER
- \* 10-5-1 TO 9-84-6 TO WAREHOUSE
- 20 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (S( 1064)  
ECURE )
- \* REPRESENTS MOVEMENT OF A SECURE LOADED
- \* ...LARGE STRADDLE CARRIER
- \* 9-84-6 TO 10-5-1 TO DUMP
- \* PLATFORM - EMPTY
- 21 TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (E( 1152)  
MPTY)
- \* REPRESENTS MOVEMENT OF AN EMPTY
- \* ...LARGE STRADDLE CARRIER
- \* 10-5-1 TO 9-87-5 TO GARAGE
- \* END OF SHIFT



# STANDARD TIME CALCULATION

## M O S T OPERATION TIME CALCULATION

STEP	SA	FREQ	INTERNAL TMU	EXTERNAL TMU	LOC #
1	0.00	1.00		8500.	1145
2	0.00	1.00		15500.	1005
3	0.00	1.00		7300.	1143
4	0.00	1.00		17600.	1052
5	0.00	1.00		9800.	1142
6	0.00	1.00		19700.	995
7	0.00	1.00		9800.	1149
8	0.00	1.00		22000.	1009
9	0.00	1.00		8500.	1144
10	0.00	1.00		17600.	1051
11	0.00	1.00		9800.	1146
12	0.00	1.00		19700.	1018
13	0.00	1.00		8500.	1147
14	0.00	4.00		29200.	1143
15	0.00	4.00		62000.	1005
16	0.00	1.00		8500.	1141
17	0.00	1.00		8500.	1140
18	0.00	1.00		22000.	1009
19	0.00	1.00		8500.	1152
20	0.00	1.00		17600.	1064
21	0.00	1.00		8500.	1152

MANUAL TIME(TMU)

0. 768100.

ACTUAL PROCESS TIME(TMU)

0. 0.

FACTORED PROCESS TIME(TMU)

0.

TOTAL INTERNAL TIME(TMU)

0.

TITLE SHEET USED IN SETTING STANDARD: 0

# STANDARD TIME CALCULATION

## M O S T OPERATION TIME CALCULATION

### Engineered Operation Time Calculation

Type of Work	Elemental Time	Percent Allowance	Allowance Time	Standard Time
EXTERNAL MANUAL	3.391		0.000	3.391
ASSIGNED INTERNAL	( 0.000)	( )	( 0.000)	( 0.000)
PROCESS TIME	0.000		0.000	0.000
STANDARD<HRS./CYCLE)	3.391		0.000	3.391
PIECES PER CYCLE	1			
STANDARD HOURS				3.4

SECTION 5  
DATA SYNTHESIS AND BACK-UP

5.1 SUMMARY

1140. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-3

TOTAL. TMU 8500.

1141. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-3

TOTAL TMU 8500.

1142. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-3

TOTAL TMU 9800.

DATA SYNTHESIS AND RACK-UP

1143. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 7300 1

1144. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 8500

1145. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 8500.

DATA SYNTHESIS AND BACK-UP

1146. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 9800.

1147. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

TOTAL TMU 8500.

1148. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-7

TOTAL TMU 7300.

DATA SYNTHESIS AND BACK-UP

1149. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-7

TOTAL TMU 9800.

1150. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-8

TOTAL TMU 8500.

1151., TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYAF  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-8

TOTAL TMU 9800,

DATA SYNTHESIS AND RACK-UP

1152. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-9

TOTAL TMU 8500.

1153. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT S8

TOTAL TMU 5500 1

1154. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD1  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT S7

TOTAL TMU 6300.

DATA SYNTHESIS AND BACK-UP

1155. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT AREA-84

TOTAL TMU 6300.

995. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-3

TOTAL TMU 19700.

1005+ TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 15500.



DATA SYNTHESIS AND BACK-UP

1009. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 22000 1

1013. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-6

TOTAL TMU 22000.

1014. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: .4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-7

TOTAL TMU 15500.

DATA SYNTHESIS AND BACK-UP

1018. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\*...LARGE STRADDLE CARRIER

STRADDLE-DRIUER BEGINS AT ZONE-8

TOTAL TMU 19700.

1039. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\*...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

TOTAL TMU 17600,

1051, TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYAR  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 17600,

DATA SYNTHESIS AND BACK-UP

1052. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A SECURE LOADED  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5

TOTAL TMU 17600 1

1058. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\*x REPRESENTS MOVEMENT OF A SECURE LOADED  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-6

TOTAL TMU 22000,

1063. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A SECURE LOADED  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-8

TOTAL TMU 19700.

DATA SYNTHESIS AND BACK-UP

1064. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSFORMATION  
PER MOVE OR LIFT OFG: 4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A SECURE LOADED  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-9

TOTAL TMU 17600.

## DATA SYNTHESIS AND BACK-UP

### 5.2 SYNTHESIS AND ANALYSIS

1140, TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-3 USING LG-STRADD-E TO ZONE-5  
A1 S6 T24 LO T54 LO TO AO 1.00 8500.

TOTAL TMU 8500.

1141. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIUER BEGINS AT ZONE-3

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-3 USING LG-STRADD-E TO ZONE-6  
A1 S6 T24 LO T54 LO TO AO 1.00 8500

TOTAL TMU 8500.

1142, TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET ( EMPTY ) FROM( ZONE-3 USING LG-STRAD-E TO ZONE-8  
A1 S6 T24 LO T67 LO TO AO 1.00 9800,

TOTAL TMU 9800.

# DATA SYNTHESIS AND BACK-UP

1143. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOUEMENT OF AN EMPTY

\*...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1	TRANSPORT PALLET ( EMPTY )	FROM ZONE-5	USING LG-STRAD-E	TO ZONE-6	
	A1	S6	T24	LO	T42 LO TO AO 1000 7300 1

TOTAL TMU	7300.
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1144. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1	TRANSPORT PALLET (EMPTY )	FROM ZONE-5	USING LG-STRAD-E	TO ZONE-7	
	A1	S6	T24	LO	TS4 LO TO AO 1.00 8500

TOTAL TMU	8500 1
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1145. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOUE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1	TRANSPORT PALLET ( EMPTY )	FROM ZONE-5	USING LG-STRAD-E	TO ZONE-9	
	A1	S6	T24	LO	T54 LO TO AO 1.00 8500 .

TOTAL TMU	8500.
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# DATA SYNTHESIS AND BACK-UP

1152, TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-9

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-9 USING LG-STRAD-E TO ZONE-10  
A1 S6 T24 LO T54 LO TO AO 1.00 8500.

TOTAL TMU 8500,

1153. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-S3  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT S8

1 TRANSPORT PALLET ( EMPTY ) FROM S8 USING LG-STRAD-E TO S21  
A1 S6 T24 LO T24 LO TO 40 1,00 5500.

TOTAL TMU 5500 1

1154. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 22-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF AN EMPTY  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT S7

1 TRANSPORT PALLET ( EMPTY ) FROM S7 USING LG-STRAD-E TO S10  
A1 S6 T24 LO T32 LO TO AO 1.00 6300.

TOTAL TMU 6300.

DATA SYNTHESIS AND BACK-UP

1155, TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT AREA-84

1	TRANSPORT PALLET (	EMPTY	)	FROM	AREA-84	USING	LG-STRAD-E	TO	AREA-
	A1	S6	T24	LO	T32	LO	TO	AO	1.00 6300 1

TOTAL TMU 6300.

995, TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-3

1	TRANSPORT PALLET RAISE	FROM	ZONE-3	USING	LG-STRAD-L	TO	ZONE-7	LOW
	A1	S6	T1	L10	T173L6	TO	AO	1.00 19700.

TOTAL TMU 19700.

1005. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1	TRANSPORT, PALLET RAISE	FROM	ZONE-5	USING	LG-STRAD-L	TO	ZONE-6	LOW
	A1	S6	T1	L10	T131L6	TO	AO	1.00 15500.

TOTAL TMU 15500.



# DATA SYNTHESIS AND BACK-UP

1146. TRANSPORT PALLET ON (LARGE) STRADULE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-URIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-5 USING LG-STRAD-E TCI ZONE-10  
A1 S6 T24 LO T67 LO TO AO 1.00 9800 1

TOTAL TMU 9800.

1147. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER HOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-6 USING LG-STRAD-E TCI ZONE-8  
A1 S6 T24 LO T54 LO TO AO 1.00 8500.

TOTAL TMU 8500,

1148. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-7

1 TRANSPORT PALLET ( EMPTY ) FROM ZONE-7 USING LG-STRAD-E TO ZONE-8  
A1 S6 . T24 LO T42 LO TO AO 1.00 7300.

TOTAL TMU 7300.

# DATA SYNTHESIS AND BACK-UP

1149. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYA  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIUER BEGINS AT ZONE-7

1	TRANSPORT PALLET (	EMPTY	)	FROM	ZONE-7	USING	LG-STRAD-E	TO	ZONE	
	A1	S6	T24	LO	T67	LO	TO	AO	1.00	980

TOTAL	TMU	980
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1150. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYA  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-BRIVER BEGINS AT ZONE-8

1	TRANSPORT PALLET (	EMPTY	)	FROM	ZONE-8	USING	LG-STRAD-E	TO	ZONE	
	A1	S6	T24	LO	T54	LO	TO	AO	1.00	850

TOTAL	TMU	850
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1151, TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (EMPTY) AT ANY SHIPYA  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 22-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF AN EMPTY

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-8

1	TRANSPORT PALLET (	EMPTY	)	FROM	ZONE-8	USING	LG-STRAD-E	TO	ZONE	
	A1	S6	T24	LO	T67	LO	TO	AO	1.00	9800

TOTAL	TMU	9800
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DATA SYNTHESIS AND BACK-UP

1009. TRANSPORT PALLET ON (LARGE) STRAIIRLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING LG-STRAD-L TO ZONE-10 LOWER  
A1 S6 T1 L10 T196L6 TO AO 1.00 220004

TOTAL TMU 22000.

1013. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOUE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET RAISE FROM ZONE-6 USING LG-STRAD-L TO ZONE-10 LOWER  
A1 S6 T1 L10 T196L6 TO AO 1.00 22000 1

TOTAL TMU 22000.

1014. TRANSPORT PALLET ON (LARGE) STRAIIDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOUE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A LOOSE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-7

1 TRANSPORT PALLET RAISE FROM ZONE-7 USING LG-STRAD-L TO ZONE-8 LOWER  
A1 S6 T1 L10 T131L6 TO AO 1.00 15500.

TOTAL TMU 15500.

DATA SYNTHESIS AND BACK-UP

1018. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (LOOSE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A LOOSE LOADED  
\*...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET RAISE FROM ZONE-8 USING LG-STRAID-L TO ZONE-10 LOW  
A1 S6 T1 L10 T173L6 TO AO 1.00 19700.

TOTAL TMU 19700.

1039." TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A SECURE LOADED  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-3

1 TRANSPORT PALLET RAISE FROM ZONE-3 USING LG-STRAD-S TO ZONE-6 LOWE  
A1 S6 T1 L10 T152L6 TO AO 1.00 17600.

TOTAL TMU 17600,

1051. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION  
PER MOVE OR LIFT OFG: 4 20-JUL-83  
REPRESENTS ELAPSED TIME  
\* REPRESENTS MOVEMENT OF A SECURE LOADED  
\* ...LARGE STRADDLE CARRIER  
STRADDLE-DRIVER BEGINS AT ZONE-5

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING LG-STRAD-S TO ZONE-7 LOWE  
A1 S6 T1 L10 T152L6 TO AO 1.00 17600.

TOTAL TMU 17600,

DATA SYNTHESIS AND BACK-UP

1052, TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-5 ..

1 TRANSPORT PALLET RAISE FROM ZONE-5 USING LG-STRAD-S TO ZONE-8 LOWER  
A1 S6 T1 L10 T152L6 TO AO 1.00 17600.

TOTAL TMU 17600.

1058. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIUER BEGINS AT ZONE-6

1 TRANSPORT PALLET RAISE FROM ZONE-6 USING LG-STRAD-S TO ZONE-10 LOWER  
A1 S6 T1 L10 T196L6 TO AO 1.00 22000,

TOTAL TMU 22000.

1063. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...LARGE STRADDLE CARRIER

STRAIIDLE-DRIUER BEGINS AT ZONE-8

1 TRNSPORT PALLET RAISE FROM ZONE-8 USING LG-STRAII-S TO ZONE-10 LOWER  
A1 S6 T1 L10 T173L6 TO AO 1.00 19700.

TOTAL TMU 19700.

DATA SYNTHESIS AND BACK-UP

1052. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-S

1 TRANSPORT P.PALLET RAISE FROM ZONE-5 USING LG-STRAD-S TO ZONE-8 LOW

A1 S6 T1 L10 T152L6 TO AO 1.00 17600.

TOTAL TMU 17600.

1058. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-6

1 TRANSPORT PALLET RAISE FROM ZONE-6 USING LG-STRAD-S TO ZONE-10 LOW

A1 S6 T1 L10 T196L6 TO AO 1.00 22000.

TOTAL TMU 22000.

1063. TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER MOVE OR LIFT OFG: 4 20-JUL-83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-8

1 TRANSPORT PALLET RAISE FROM ZONE-8 USING LG-STRAD-S TO ZONE-10 LOW

A1 S6 T1 L10 T173L6 TO AO 1.00 19700.

TOTAL TMU 19700.

DATA SYNTHESIS AND BACK-UP

1064, TRANSPORT PALLET ON (LARGE) STRADDLE CARRIER (SECURE) AT ANY SHIPYARD  
TRANSPORTATION

PER HOVE OR LIFT OFG: 4 20 JUL 83

REPRESENTS ELAPSED TIME

\* REPRESENTS MOVEMENT OF A SECURE LOADED

\* ...LARGE STRADDLE CARRIER

STRADDLE-DRIVER BEGINS AT ZONE-9

1 TRANSPORT PALLET RAISE FROM ZONE-9 USING LG-STRAD-S TO ZONE-10 LOWER.

A1 S6 T1 L10 T152L6 TO AO 1.00 17600.

TOTAL TMU 17600.

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